

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, 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 letter dated April 10, 1985
1. Empire Laboratories, Inc.		3. License number 49-15555-01 is amended in its entirety to read as follows:
2. 3151 Nation Way, Suite K-11 P. O. Box 10076 Cheyenne, Wyoming 82001		4. Expiration date February 28, 1989
		5. Docket or Reference No. 030-09332
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 (Troxler Dwg. No. A-102112)	A. Not to exceed 10 millicuries per source
B. Americium-241	B. Sealed neutron sources (Troxler Dwg. No. A-102451)	B. Not to exceed 50 millicuries per source
C. Cesium-137/ Americium-241	C. Combined sealed sources (Troxler Dwg. No. A-100281)	C. Not to exceed 10 millicuries of Cesium-137 or 50 millicuries of Americium-241 per source

8507030511 850522
REG4 LIC30
49-15555-01 PDR

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
49-15555-01

Docket or Reference number
030-09332

Amendment No. 05

D. Cesium-137

D. Sealed sources
(Campbell Pacific
Nuclear Model CPN-131)

D. Not to exceed
10 millicuries
per source

E. Americium-241

E. Sealed neutron
sources (Campbell
Pacific Nuclear
Model CPN-131)

E. Not to exceed
50 millicuries
per source

9. Authorized use

- A. and B. For use in Troxler Model 3400 Series moisture/density gauges for measurement of properties of materials.
- C. For use in Troxler Model 2401 moisture/density gauges for measurement of properties of materials.
- D. and E. For use in Campbell Pacific Portaprobe Model MC and Model 500 Series moisture/density gauges for measurement of properties of materials.
- E. For use in Campbell Pacific Nuclear Model AC Series hydrogenous material analyzer.

CONDITIONS

10. Licensed material may be used at 3151 Nation Way, Suite K-11, Cheyenne, Wyoming, 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.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
49-15555-01

Docket or Reference number
030-09332

Amendment No. 05

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 individuals who have completed the Troxler, Campbell Pacific, or Nuclear Testing Services training course in the use of the devices and have been designated by Chester C. Smith, Radiation Protection Officer.
13. A. (1) Each sealed source containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed 6 months. In the absence of a certificate from a transferor indicating that a test has been made within 6 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 6 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 5 days of the test with the U. S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Dr., Suite 1000, Arlington, Texas 76011, describing the equipment involved, the test results, and the corrective action taken.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
49-15555-01

Docket or Reference number
030-09332

Amendment No. 05

- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated September 30, 1983, for analysis by Campbell Pacific, Troxler, or Nuclear Testing Services. Alternatively, leak test samples may be collected and/or analyzed 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 moisture/density gauges by the licensee.
15. Maintenance or repair of portable devices involving removal of the sealed sources from the devices or removal or dismantling of shielding may be performed only by Troxler, Campbell Pacific, Nuclear Testing Services, or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for 2 years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, manufacturers' names and model numbers, location of sealed sources and the date of the inventory.
17. 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 and Transportation of Radioactive Material."
18. 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 30, 1983, and letters dated February 9, 1984, and April 10, 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

Date MAY 22 1986

Original Signed By
By Jack E. Whitten
Nuclear Materials Safety Section
Region IV
Arlington, Texas 76011

Official Record Copy

ML40



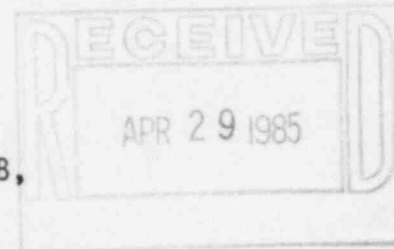
UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TEXAS 76011

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

R. J. Everett, Chief
Material Radiation Protection Section, TPB,
DV&TP, RIV



LICENSEE FEE TRANSMITTAL

A. REGION IV

1. APPLICATION ATTACHED

Applicant/Licensee:

Empire Lab., Inc.

Application Dated:

April 10, 1985

Control No.:

460595

License No.:

49-15555-01 (030-09332)

2. FEE ATTACHED

Amount:

\$60-

Check No.:

15906

3. COMMENTS

Signed

Laura Shurley

Date

April 17, 1985

B. LICENSEE FEE MANAGEMENT BRANCH

1. Fee Category and Amount:

3P \$60

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal

License

Signed

Frances Brown

Date

4/24/85 69
4/25/85