

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

37-20769-01

Docket or Reference number

030-22052

Amendment No. 01

Spotts, Steven & McCoy, Inc.
30 Noble Street, P.O. Box 6527
Reading, Pennsylvania 19611-052

In accordance with letter dated April 16, 1985, License Number 37-20769-01 is amended as follows:

Items 6., 7., 8. and 9. are amended to read:

- | | | |
|---|---|--|
| 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. Nickel 63 | A. Foil contained in Perkin-Elmer Model 009-0282 detector cells | A. Not to exceed 15 milli-curies per foil |
| B. Cesium 137 | B. Sealed sources (Troxler dwg. No. A-102112) | B. Not to exceed 10 milli-curies per source |
| C. Americium 241/Be | C. Sealed source (Troxler dwg. No. A-102451) | C. Not to exceed 50 milli-curies per source |

9. Authorized use

- A. To be used in Perkin-Elmer Model 3920 Gas Chromatograph for sample analysis.
B. and C. To be used in Troxler Model 3400 Series Surface Moisture/Density Gauges.

Conditions 10., 12., 16. and 17. are amended to read:

10. Licensed material in Item 6.A. shall be used only at licensee's facility at 30 Noble Street, Reading, Pennsylvania. Licensed material in Item 6.B and C shall be stored only at licensee's facility at 345 North Wyomissing Boulevard, Wyomissing, Pennsylvania and shall be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintain jurisdiction for regulating the use of licensed material.
12. Licensed material in Item 6.A shall be used by, or under the supervision of, John K. Kieffer, Robert M. Large and Scott W. Hinnershitz. Licensed material in Item 6.B and C shall be used by those employees who have successfully completed the Troxler Electronic Laboratories Inc. training course, and have been trained in the licensees safety procedures and approved by the radiation safety officer, Gerald J. Gagne, P.E.. Documentation of training will be maintained for inspection by the N.R.C.

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(continued)

CONDITIONS

16. The licensee shall conduct a physical inventory every six (6) months to account for all detector cells and 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 licensed material, location of detector cells or sealed sources, and the date of the inventory.
17. 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 October 18, 1984 and letters dated April 16, 1985, June 11, 1985 and June 21, 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.

Conditions 18., 19. and 20. are added:

18. Sealed sources containing licensed material shall not be opened or removed from portable moisture/density gauges by the licensee.
19. 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.
- 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 I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.

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- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's letter dated April 16, 1985 for analysis by Troxler Laboratories Inc. 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.
20. 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 and Transportation of Radioactive Material Under Certain Conditions."



For the U.S. Nuclear Regulatory Commission

Original Signed By:

Laurence F. Friedman, Ph.D.

By

Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406

JUL 24 1985

Date _____