

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

34-06686-07

Docket or Reference number

030-13844

Amendment No. 02

The Firestone Tire and Rubber Company
1200 Firestone Parkway
Akron, OH 44317

In accordance with letter dated April 26, 1985, License Number 34-06686-07 is amended as follows:

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

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

B. Cesium-137

B. Sealed sources (Amersham/Searle Model Nos. 850233, 850263, 850213, or 3M Company Model Nos. 4P6M, 4P6E, 4F6S, 4F3D)

A. No single source to exceed 100 millicuries

9. Authorized Use

B. To be used in a Nuclear Chicago Corporation Model 5179 source holder for level measurement.

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

10. Licensed material listed in Subitem A. shall be used only at 1200 Firestone Parkway, Akron, Ohio. Licensed material listed in Subitem B. shall be used only at the Research Pilot Plant Rear, 381 W. Wilbeth Road and Central Research Laboratory, S. Main and Wilbeth Road, Akron, Ohio.

12. Licensed material shall be used by, or under the supervision of, M.W. Hayes, R. Turner, W.M. Cole, or J.O. Tveekrem.

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 applications dated March 17, 1978 and March 23, 1979; and letters dated October 12, 1983 and April 26, 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.

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

18. 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 in six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

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- (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 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 the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.
19. 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 licensed material, location of the sealed sources and the date of the inventory.
20. 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 the manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

For the U.S. Nuclear Regulatory Commission

Original Signed

By Patricia J. Whiston

Materials Licensing Section, Region III

Date June 4, 1985

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