

U. S. ATOMIC ENERGY COMMISSION  
BYPRODUCT MATERIAL LICENSE

## Amendment No. 03

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 32, 33, 34, and 35, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import byproduct material listed below; and to use such byproduct material for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee			
1. Name	U. S. Department of the Treasury	In accordance with application dated June 23, 1966.	
2. Address	U. S. Customs Laboratory 103 S. Gay Street Baltimore, Maryland 21202	3. License number	19-08654-01 is amended in its entirety to read as follows:
		4. Expiration date	July 31, 1968
		5. Reference No.	
6. Byproduct material (element and mass number)	7. Chemical and/or physical form	8. Maximum amount of radioactivity which licensee may possess at any one time	
A. Strontium 90	A. Sealed Sources (U. S. Radium LAB-369)	A. Not to exceed 20 millicuries per source	
B. Xenon 133	B. Sealed Source (Tracerlab)	B. 100 millicuries	
9. Authorized use			
A. To be used in Electronics Instruments for Research, Inc., gas chromatography unit for sample analysis.			
B. To be used in the evaluation of a narrow band L-Ray gold detector.			
<b>CONDITIONS</b>			
10. Byproduct material may only be used at the licensee's address stated in Item 2 above.			
11. The licensee shall comply with the provisions of Title 10, Part 20, Code of Federal Regulations, Chapter 1, "Standards for Protection Against Radiation."			
12. Byproduct material shall be used by, or under the supervision of, Melvin Lerner.			

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Supplementary Sheet

License Number 19-08654-0Continued from Page 1Amendment No. 03**CONDITIONS**

13. A(1) Each sealed source containing byproduct 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, the sealed source 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 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 5 days of the test with the Director, Division of Materials Licensing, U. S. Atomic Energy Commission, Washington, D. C., 20545, describing the equipment involved, the test results, and the corrective action taken. A copy of such report shall also be sent to the Director, Region I, Division of Compliance, USAEC, 376 Hudson Street, New York, New York, 10014.
- 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. Except as specifically provided otherwise by this license, the licensee shall possess and use byproduct material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in applications dated January 12, 1965 and June 23, 1966. For the U. S. Atomic Energy Commission

Original Signed By  
Robert E. Brinkman

Date

JUL 6 1966

by Isotopes BranchDivision of Materials Licensing  
Washington, D. C. 20545