DEPARTMENT OF THE TREASURY

U.S. CUSTOMS SERVICE

WASHINGTON

SEP 20 1985

REFER TO

FAC-9-06:E:E:R:A WEJ

Materials Licensing Branch
Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 19406

Gentlemen:

This letter is to request that the Nuclear Regulatory Commission (NRC) amend license number 08-17447-01 (amendment 2) issued to the U.S. Customs Service.

The U.S. Customs Service would like to have the radioactive material californium 252 deleted from it's license. All californium 252 sources are at the original manufacturers for permanent storage/disposal. The U.S. Customs Service does not plan to receive or use californium 252 sources in the future.

In addition, the U.S. Customs Service would like to amend NRC's logging requirements:

> Item 2 of attachment 8c.2, "Radiation Safety Procedures", required that utilization logs be maintained describing the date and time of use of detector devices, the individual using the device, the area in which the device was used, the time of use of the device, and the method of transportation and route taken to the site of device use.

As an alternative to the above, Customs would like to have the shift supervisory inspector sign the device out of storage at the beginning of the shift and back into storage at the end of the shift. The individual user inspectors would be responsible to the supervisor and would not be required to log the device in and out every time the device was used to search for contraband.

For your convenience, enclosed is a copy of license 08-17447-01 as amended and issued November 16, 1984. If additional information is required, please contact William E. Johnson on (202) 566-2683.

Sincerely,

Robert Halliday 9/20/85

Robert O. Holliday, Jr.
Director, Research and
Development Division

Enclosure

NRC Form 374
(3-83)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 02

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. Department of the Treasury U. S. Customs Service	In accordance with letter dated October 18, 1984 3. License number 08-17447-01 is amended in its entirety to read as follows:
2. 1301 Constitution Avenue, N. W. Washington, D. C. 20229	4. Expiration date November 30, 1987
	5. Docket or Reference No. 030-12771

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. Californium 252	A. Sealed neutron sources (Isotope Products Laboratories Model N-252)	A. Not to exceed 54 microcuries
B. Californium 252	B. Sealed neutron sources (Amersham Model CVN.4)	B. Not to exceed 1 millicurie per source
C. Americium 241	C. Sealed sources (Amersham Model AMC.17)	C. Not to exceed 300 millicuries per source
D. Barium 133	D. Sealed sources (Amersham Model BDC-700)	D. Not to exceed 1 millicuries per source

9. Authorized use

A. For use in IRT Corporation portable hydrogen detectors for detecting the presence of narcotics.

B. and C. For use in Science Applications Inc., Models PHD-1 and PHD-2 portable hydrogen detectors for detecting the presence of narcotics.

D. For use in Campbell Engineering Company Model K series portable gauges for moisture measurements.

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CONDITIONS

10. Licensed material may be used at U. S. Customs Service, 1301 Connecticut Avenue, N. W., Washington, D. C., and at temporary job sites of the licensee anywhere in the United States.

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 William Johnson or individuals completing the training program described in letter dated November 10, 1981 with enclosures.

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, except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed three 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) Except for alpha sources, 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 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.

D. Tests for leakage and/or contamination shall be performed by Science Applications, Inc., or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number 08-17447-01

Docket or Reference number 030-12771

Amendment No. 02

CONDITIONS

14. Sealed sources containing licensed material shall not be opened or removed from the device by the licensee.

15. 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 byproduct material, location of sealed sources, and the date of the inventory.

16. 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."

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 March 9, 1982; letter dated November 10, 1981 with enclosures; and letters dated October 26, 1982 and October 18, 1984. 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 NOV 16 1984

By John W. F. Pickle

Material Licensing Branch
Division of Fuel Cycle and
Material Safety
Washington, D. C. 20555