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Ĩ	MATERIALS	SLICENSE		
	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, 36, 39, 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			
	Department of the Army U.S. Army Soldier and Biological Chemical Command	3. License number 19–30563-01		
	2. ATTN: AMSSB-RCB-RS	4. Expiration date October 31, 2010		
	Aberdeen Proving Ground, MD 21010-5424	5. Docket No. 030-35349		
		Reference No. 12-00722-06		
	Byproduct, source, and/or special 7. Chemical and/or nuclear material	pr physical form. 8. Maximum amount that licensee may possess at any one time under this license		
	B. Nickel 63 B. Plated Foils	(AEA Technology B. Not to exceed 15 millicuries pe Nos. NBC, NBCD source and 900 curies total		
	C. Nickel 63 C. Plated Foils Model NER- Amersham N			

To be used in Model M43A1 Chemical Agent Detectors for detection of aerosols and gases.

To be used in Model GID- 3 Chemical Agent Alarms for aerosol, gas and vapor detection.

To be used in Model CAM or ICAM Chemical Agent Monitor for aerosol, gas and vapor

Authorized use:

A.

В.

C.

detection.

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MATERIALS LICENSE SUPPLEMENTARY SHEET

CONDITIONS

- 10. Licensed material listed in Item 6.A. through 6.C may be stored at the Pine Bluff Arsenal, Pine Bluff, Arkansas, Rock Island Arsenal, Rock island, Illinois and at Blue Grass Army Depot, Richmond, Kentucky and used by the U.S. Army, Active and Reserve, and National Guard on Department of Defense installations and temporary job sites throughout the United States and any other location where the Commission maintains jurisdiction for regulating the possession and/or use of licensed material.
- 11. Licensed material shall be used by, or under the supervision of, Joyce E. Kuykendall or U. S. Army and National Guard civilian and/or military personnel trained in accordance with application dated March 9, 2000.
- 12. The Radiation Safety Officer for this license is Joyce E. Kuykendall.
- 13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
 - B. In the absence of a certificate from a transferor indicating that a leak test has been made, within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
 - C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
 - D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2) and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
 - E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such acquires.

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- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
- 14. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Registration Certificates issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
- 15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 16. The licensee shall conduct a physical inventory every 12 months, or at other interval approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license.
- 17. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
- 18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
- Maintenance operations on the Chemical Agent Detectors; Monitors or Alarms will
 not include or involve any repair or contact with the nickel-63 plated source or americium-241 plated
 source.
- 20. Notwithstanding the color requirements in 10 CFR 20.1901 (a) the licensee is authorized to label fielded items of equipment with colors as described in letter received October 18, 2000.
- 21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. Application dated March 9, 2000
 - B. Letter dated June 30, 2000

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For the U.S. Nuclear Regulatory Commission

Date October 18, 2000

Original signed by Thomas K. Thompson

Thomas K. Thompson Nuclear Materials Safety Branch 1 Division of Nuclear Materials Safety Region I King of Prussia, Pennsylvania 19406

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