

MATERIALS LICENSE

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, 37, 39, 40, 70 and 71, 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 Homeland Security Federal Emergency Management Agency 2. Center for Domestic Preparedness 61 Responder Drive Anniston, AL 36205		In accordance with letter dated September 14, 2018.	4. Expiration Date: November 30, 2023
			5. Docket No.: 030-37827 Reference No.:
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	9. Authorized use
A. Nickel-63	A. Sealed Sources (AEA Technology USA, Inc., Model NBCQ8681 and NBC; Isotope Products Laboratories, Model NER-004R; Nuclear Radiation Development, Inc., Model N1001)	A. 15 millicuries per source and 2 curies total	A. Teaching and training of students in Smiths Detection Models ADP 2000 and ICAM Mobility Spectrometer devices.
B. Nickel-63	B. Sealed Sources (Isotope Products Laboratories, Model NER-004 and NER-004P; QSA Global, Inc., Model NBC.34)	B. 15 millicuries per source and 2 curies total	B. Teaching and training of students in Bruker Detection Corporation Model RAID-M Ion Mobility Spectrometer devices.
C. Cesium-137	C. Sealed Sources (Office of Civil Defense, Model OCD-S-104)	C. 20 millicuries per source and 300 millicuries total	C. Teaching and training of students; calibration and checking of the licensee's instruments.
D. Americium-241	D. Sealed Sources (NRD Inc., Model A-001)	D. 250 microcuries per source and 18 millicuries total	D. Teaching and training of students in Brunswick Defense Model M8A1 chemical agent detection devices.

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CONDITIONS

10. Licensed material may be used or stored at temporary job sites of the licensee anywhere in the United States, and at the licensee's facilities located at:
- A. COBRATF, 801 Walt Philips Road, Anniston, Alabama, 36205
 - B. Noble Training Center, 490 Care Drive, Anniston, Alabama, 36205
 - C. 500 Area Training Complex, 363 Wall Street, Anniston, Alabama, 36205
 - D. CDP Eastern Regional Storage Location, 2615 W. 13th Street, Brooklyn, New York, 11223
 - E. Central Regional Control Facility, 5973 West, 400 South, Jamestown, Indiana, 46147
 - F. Western Regional Inventory Control Facility, 1201 Blucher Ave., Granada Hills, California, 91344
 - G. Main Responder Complex, 61 Responder Drive, Anniston, Alabama, 36205
11. Licensed material shall only be used by, or under the supervision of John Blandamer.
12. The Radiation Safety Officer (RSO) for this license is John Blandamer.
13. Each sealed source containing licensed material to be used outside of a shielded exposure device shall have a durable, legible, and visible tag permanently attached by a durable ring. The tag shall be at least 1 inch square, shall bear a conventional radiation symbol prescribed in 10 CFR 20.1901(a), and a minimum of the following instructions: "DANGER - RADIOACTIVE MATERIAL," "DO NOT HANDLE" and "NOTIFY CIVIL AUTHORITIES IF FOUND."
14. A. Sealed sources and detector cells 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 by an Agreement State. In the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months, or at such other intervals as specified.

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- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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 by 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.
- D. 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.
- E. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) 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.
- F. Analysis of leak test samples and/or contamination shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is authorized to collect leak test samples but not perform the analysis.
- G. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.
15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

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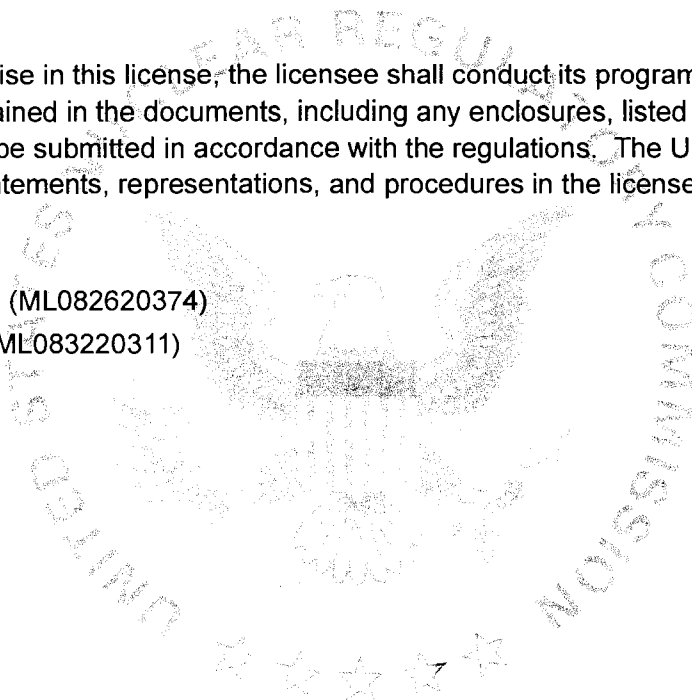
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16. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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 August 25, 2008 (ML082620374)
- B. Letter dated November 11, 2008 (ML083220311)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

By: Michael ReichardMichael Reichard
Region 1Date: November 2, 2018