



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY 20TH CBRNE COMMAND
(CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR, EXPLOSIVES)
2400 21ST STREET
ABERDEEN PROVING GROUND, MD 21010-5424

Br. 2

FEB 10 2016

AFCB-CS

MEMORANDUM FOR Licensing Assistance Team, Division of Nuclear Materials Safety,
U.S. Nuclear Regulatory Commission, Region I, 2100 Renaissance Boulevard, Suite
100, King of Prussia, PA 19406-2713

SUBJECT: Licensing Amendment Request, Materials License 19-31127-01, Docket
No. 030-37133

1. Request that the US NRC License 19-31127-01 be amended as detailed below.
 - a. Item 6. Byproduct material. (See Encl)
 - b. Item 9. Authorized Use. (See Encl)
 - c. Item 10. Authorized use locations. (See Encl)
2. The licensed materials requested in this amendment will allow use of these sources in field exercises that train and evaluate the performance of Soldiers conducting military operations and responses to radiological and nuclear incidents and threats.
3. The point of contact for additional information needed to support this request is Mr. Barry Scott Davidson, CHP, 410-436-9643 and barry.s.davidson.civ@mail.mil.

Encl

GERARD A. VAVRINA
COL, MS
Chief of Staff

REC RG 10218716 AM0707

590301
NMSS/RGNI MATERIALS-001

License Amendment Details

6. Byproduct material

6. Byproduct, source and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that license may possess at any one time under this license
A. Californium-252	A. Sealed Source (Frontier Technology Corporation Model 100)	A. Not to exceed 2.7 millicuries per source and 135 millicuries total
J. Thorium-230	J. Sealed Source	J. 150 nanocuries total, no single source to exceed 30 nanocuries
K. Uranium-238	K. Sealed Source	K. 150 nanocuries total, no single source to exceed 30 nanocuries
L. Americium-241	L. Sealed Sources (DuPont Model No. NES-128S and Amersham Source No. AMR-1151)	L. 17 microcuries total, no single source to exceed 11 microcuries
M. Americium-241	M. Sealed Source	M. Not to exceed 5 microcuries total in any one location
N. Radium-226	M. Sealed Source	M. Not to exceed 5 microcuries total in any one location
O. Plutonium-239	O. Sealed Source	O. Not to exceed 5 microcuries total in any one location

9. Authorized use.

A. In a Portable Isotopic Neutron Spectrometer for non-intrusive analysis and training of authorized users, for use in training exercises and conducting operational checks of instruments, and storage of sources for the conduct of military operations including contingency purposes or emergency response.

J. through O. These radionuclides are used for training and exercises, conducting operational checks of instruments, calibration and reference source uses.

10. Licensed material may be used or stored at the licensee's facilities on Aberdeen Proving Ground, Maryland; Joint Base Lewis-McCord, Washington; National Training Center, Fort Irwin, California; Joint Readiness Training Center, Fort Polk, Louisiana; Fort Bliss, Texas; Fort Hood, Texas, Fort Stewart, Georgia; CBRNE Analytical and

Encl

Remediation Activity facilities on Aberdeen Proving Ground, Maryland, Pine Bluff Arsenal, Arkansas and Redstone Arsenal, Alabama and at temporary job sites of the licensee anywhere in the United States.

This is to acknowledge the receipt of your letter/application dated

02/10/2016, and to inform you that the initial processing which includes an administrative review has been performed.

19-31127-01 (Amendment)
☒ There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned Mail Control Number 590301.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.