



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

February 8, 2010

Department of the Air Force  
ATTN: CRAIG L. ADAMS, Lt Col, USAF, BSC  
Chief, Radiation Programs  
AF/SG (AFMSA/SG3PB)  
USAF Radioisotope Committee  
1500 Wilson Blvd., Suite 1600  
Arlington, VA 22209

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment Number 21 to NRC License Number 42-23539-01AF. This license amendment authorizes the new mailing address as documented by your letter dated November 23, 2009. An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14). You should review the enclosed document carefully and be sure that you understand all conditions. If there are any questions, please contact me at (817) 276-6552.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations. NRC will periodically inspect your radiation safety program in accordance with Manual Chapter 2810, "Master Material License Inspection Program." Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available at the following internet address:  
<http://www.nrc.gov/reading-rm/doc-collections/enforcement/>.

In accordance with 10 CFR 2.390 of the NRC "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,

  
Rachel S. Browder, Sr. Health Physicist  
Nuclear Materials Safety Branch B

Docket: 030-28641  
License: 42-23539-01AF  
Control: 472492

Enclosure: As stated

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 21

**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, 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	In accordance with letter dated November 23, 2009
1. Department of the Air Force USAF Radioisotope Committee	3. License number 42-23539-01AF is amended in its entirety to read as follows:
2. HQ AFMSA/SG3PB 1500 Wilson Boulevard, Suite 1600 Arlington, Virginia 22209	4. Expiration date Indefinite
	5. Docket No. 030-28641 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
A. Byproduct material	A. Any	A. As needed
B. Source material	B. Any	B. As needed
C. Special nuclear material	C. Any	C. As needed however, quantities for any site or permit authorized by the USAF Radioisotope Committee shall not exceed the critical mass quantities as determined by the procedures specified in 10 CFR 150.11(a).

9. Authorized use:  
A., B., and C. For uses authorized by the USAF Radioisotope Committee (RIC).

CONDITIONS

10. Licensed material may be used under United States Air Force control at locations where the Nuclear Regulatory Commission has regulatory jurisdiction consistent with the representations made in the application and conditions of this license.
11. Licensed material may only be used by, or under the supervision of, individuals designated by the United States Air Force Radioisotope Committee.
12. United States Air Force regulations, policies, and directives governing the use of licensed material must be consistent with the Nuclear Regulatory Commission's regulations.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

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Amendment No. 21

13. The United States Air Force Radioisotope Committee shall assure that all installation, repair, maintenance or removal of irradiators and teletherapy equipment involving the removal of shielding or access to radioactive material will be performed by persons specifically authorized to perform these activities by the Nuclear Regulatory Commission or by an Agreement State.
14. The United States Air Force Radioisotope Committee shall assure that all human research uses of licensed materials will be approved by a Food and Drug Administration approved Radioactive Drug Research Committee.
15. The United States Air Force Radioisotope Committee shall submit requests for approval to the Nuclear Regulatory Commission for exemptions from the Commission's regulations.
16. The United States Air Force Radioisotope Committee may grant, for good cause on a case-by-case basis, an exemption to 10 CFR 35.655 authorizing an Air Force permittee to delay by not more than 6 months the required 5-year inspection and servicing of a teletherapy unit.
17. The United States Air Force Radioisotope Committee is exempted from the NRC notification requirements of 10 CFR 35.14. Air Force permittees are not exempted from these notification requirements in regard to the United States Air Force Radioisotope Committee.
18. A. Notwithstanding the requirements contained in 10 CFR 20.1801, "Security of stored material," 10 CFR 20.1802, "Control of material not in storage" and 10 CFR 20.2201, "Reports of theft or loss of licensed material," the licensee is not required to secure or control approved chemical detection and monitoring devices utilizing radioactive materials when the licensee stores or uses these devices during authorized military or national security exercises or maneuvers, as individual units, commands, or inter-commands, including allied foreign military elements, on U.S. Federal Government property that is permanently maintained and controlled by the U.S. Federal Government for training exercises or maneuvers; and the licensee is not required to report the loss of these devices when these devices are being stored or used under the terms of this exemption.
  - B. Additionally, under this exemption, the licensee shall continue to implement their established existing programs for tracking and controlling these devices, and shall keep records of losses and loss of control of devices which shall be available on site for NRC inspectors.
  - C. This exemption does not apply to uses of the devices on temporary make-shift training sites; devices stored or used at other times or lost under other conditions; to theft of the devices; or to devices lost in the U.S. public domain.

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19. The licensee shall adhere to statements and representations contained in the following:
- A. The application dated April 12, 1985.
  - B. The attached understandings 2 through 12 excluding paragraph 1 of understanding 4, dated July 1, 1987, between the United States Air Force and the Nuclear Regulatory Commission reached in the development and issuance of this license.
  - C. Licensee letter dated June 17, 1987, with five attachments, regarding event reporting to the NRC.
  - D. Licensee letters dated December 4, 1987, and July 22, 1987, regarding licensee distribution of NRC Bulletins and Information Notices to permittees.
  - E. Licensee letter dated January 26, 1988, regarding the release of copies of licensee Inspector General inspection reports to NRC. NRC response letter dated March 3, 1988.
  - F. Licensee letter dated February 3, 1988, regarding disposal of radioactive wastes at Texas municipal solid waste sites. The licensee must obtain approval from NRC and the Texas Bureau of Radiation Control before approving a permittee application for such alternate disposal.
  - G. Licensee letter dated February 10, 1989, regarding extension of leak test interval of sources used in radiothermoelectric generators in northern Alaska.
  - H. Licensee letters dated September 11, 1991, and September 23, 1991, regarding the transfer and exchange of calibration and reference sources between United States Air Force and individual contractors operating precision measurement and equipment laboratories (PMEL).
  - I. Licensee letter dated October 7, 1992, regarding realignments in inspection frequency of Air Force permittees to inspection priorities outlined in NRC Inspection Manual Chapter 2800.
  - J. Licensee letter dated February 15, 1990, regarding exemption from 10 CFR Part 71 requirements when using the Department of Transportation exemptions issued to the Department of Defense, for purposes of national security or national defense.
  - K. Licensee letter dated March 26, 1990, regarding leak testing exemption for carbon-14 reference light sources used in hermetically sealed Astroinertial Navigational (AIN) units installed on aircraft.
  - L. Licensee letter dated October 23, 1990, regarding alternate disposal for krypton-85 to unrestricted areas.
  - M. Licensee letter dated May 2, 1994, regarding disposal of wastes of isotopes with half-lives less than 120 days by decay-in-storage.
  - N. Licensee letter dated November 14, 1994, regarding realignments in the renewal frequency of Air Force permits to conform to NRC licensing policies.

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- O. Licensee Decommissioning Plan, dated July 2000, and revised August 2002, with the final site-specific Derived Concentration Guideline Levels (DCGLs) dated October 2, 2002 for the Defense Nuclear Weapons School (DNWS) Radiation Training Sites at Kirtland AFB, regarding release for unrestricted use. The four training sites (TS5, TS6, TS7 and TS8) were identified for remediation under the USAF's Installation Restoration Program as Site OT-10. NRC response letter and Safety Evaluation Report dated January 6, 2003. Supplement to the OT-10 Decommissioning plan, dated April 03, 2003.
- P. Licensee letter dated June 23, 2004, regarding alternate disposal under 10 CFR 20.2002 for four M-47 tanks from the 98th Range Wing at Nellis Air Force Base Nevada to US Ecology Idaho, which is a Subtitle C RCRA hazardous waste disposal facility. NRC response letter dated October 25, 2005, and Safety Evaluation Report dated August 5, 2005, which approved the 10 CFR 20.2002 alternate disposal procedure, which is not otherwise authorized in the regulations of this chapter and exempts the low-contaminated material authorized for burial from further Atomic Energy Act (AEA) and NRC licensing requirements.
- Q. Final Status Survey Report for Environmental Restoration Program Site OT-10, Radiation Training Sites, dated January 2005, and received May 2005. The four OT-10 training sites (TS): TS5, TS6, TS7, and TS8, including building 28010 are approved for unrestricted use in accordance with 10 CFR 20.1402. Building 28005, located on TS8, will not be released for unrestricted use.
- R. Licensee Decommissioning Plan, dated May 24, 2002 and supplements dated November 1, 2002, August 21, 2003, October 27, 2004, January 13, 2005 and August 5, 2005 for Test Area C-74L, Eglin Air Force Base, Florida, regarding release for unrestricted use. NRC's Safety Evaluation Report dated September 20, 2005.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: February 8, 2010

By:

*Rachel S. Browder*  
 Rachel S. Browder, Senior Health Physicist  
 Nuclear Materials Safety Branch B  
 Region IV  
 Arlington, Texas 76011-4125