



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
WASHINGTON DC

21 Dec 10

MEMORANDUM FOR 554 RHS/CC
2106 Bonnins Blvd
APO AP GU 96543-4114

FROM: HQ USAF/SG (AFMSA/SG3PB)
1500 Wilson Blvd., Suite 1600
Arlington, VA 22209

SUBJECT: Administrative Amendment of USAF Radioactive Material Permit No. GU-00300-00/02AFP, Docket No. 030-0030

1. In an attempt to standardize USAF radioactive material permits for authorized use of density gauges, we have amended the subject permit. Amended permit GU-00300-00/03AFP is attached.
2. The inspection category for this permit is 03121; the inspection frequency for this permit is every **2 years, unannounced**. This permit expires 31 Dec 2012.
3. Please review the permit carefully to ensure that it authorizes the materials and/or devices, uses, and authorized users as requested, and that you understand all conditions. As a reminder, IAW AFI 40-201 dated 13 April 2007, *Managing Radioactive Materials in the USAF*, you must timely notify this office of any changes to the Permittee, RSO(s), and/or authorized users.
4. If you have any questions, please contact me at DSN 425-6338 or E-Mail at daniel.shaw@pentagon.af.mil or David Cessor-Culver at DSN 425-6308 or E-Mail at david.cessor-culver.ctr@pentagon.af.mil. Our fax number is DSN 425-1272 and our web page address is https://kx.afms.mil/rad_prot. Our after-duty-hours Incident/Accident Reporting phone number is 301-981-5058 (DSN 858).

DANIEL A. SHAW, Maj, USAF, BSC
Chief, Radiological Health Operations
USAF Radioisotope Committee Secretariat
Air Force Medical Support Agency

Attachment:
Permit Number GU-00300-00/03AFP

cc:
HQ AFIA/SOI (Lt Col Bias)
36 MDOS/SOAB

RADIOACTIVE MATERIAL PERMIT
USAF RADIOISOTOPE COMMITTEE

In pursuant to the authority stated in AFI 40-201, Managing Radioactive Materials in the USAF, and in reliance on statements made by the applicant, permission is hereby granted to receive, possess, transfer and store radioactive materials listed below, and to use this material for the purpose and at the places listed below. This document is not a valid permit unless it is endorsed by a representative of the USAF Radioisotope Committee.

1. ORGANIZATION 554 RHS/CC 2106 BONNINS BLVD APO AP GU 96543-4114	2. PERMIT NO. GU-00300-00/03AFP	3. AMENDMENT NO. 3
	4. EXPIRATION DATE 31-Dec-2012	
	5. DOCKET NO. 030-00300	
6. PERMIT RSO: MURREN, BRUCE Maj	7. ALTERNATE PERMIT RSO: MORAN, MICHAEL Maj	
8. RADIOACTIVE MATERIAL (Element and Mass Numbers) A. Am-241:Be B. Cesium-137	9. CHEMICAL/PHYSICAL FORM (NSN or Model Number) (* denotes sealed sources) * A. SS&DR No. NC-646-D-130-S * B. SS&DR No. NC-646-D-130-S	10. MAXIMUM QUANTITY AUTHORIZED A. 6 sources; not to exceed 44 mci each B. 6 sources; not to exceed 9 mCi each

11. AUTHORIZED USE
A. Troxler Model 3400 series, for measurement of construction materials properties (moisture, density, etc.).
B. Troxler Model 3400 series, for measurement of construction materials properties (moisture, density, etc.).

CONDITIONS

12. The authority for this permit is US Nuclear Regulatory Commission (NRC) Master Material License No. 42-23539-XXAF, issued to the USAF Radioisotope Committee, (RICS) and AFI 40-201, Managing Radioactive Materials in the USAF. The mailing address for the RICS is AFMSA/SG3PB, 1500 Wilson Blvd, Suite 1600, Arlington, VA 22209.
3. The permittee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections," Part 20, "Standards for Protection Against Radiation," and Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material," except that all reports required by those parts must be made to the USAF Radioisotope Committee Secretariat. In addition, the permittee shall comply with AFI 40-201, all applicable Air Force Regulations, and all instructions and directives of the USAF Radioisotope Committee necessary to insure compliance.
14. The permitted material may be stored and used at the permittee's facilities located at bldg "R-1 Conex" of Andersen AB (Northwest Field) and at temporary sites where the Air Force maintains jurisdiction for regulating use of the permitted material subject to any host nation restrictions under Status of Forces Agreements.
15. The permitted material must be stored in a secured area when not under the direct surveillance of an authorized user or RSO. When in storage, the permittee shall use a minimum of two independent physical controls to prevent unauthorized removal of the permitted material IAW Title 10, Code of Federal Regulations, Part 30.34 (i). Note: The lock on the gauge does NOT count as a form of physical control.
16. Permitted material shall only be used by, or under the supervision and in the physical presence of, individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the permittee's routine and emergency operating procedures and who have been appointed in writing as an authorized user by the permittee.
17. Any cleaning, maintenance, or repair of portable devices involving removal of the sealed sources from the devices or dismantling of shielding may be performed by manufacturer, or by other persons specifically authorized by the NRC, or an Agreement State to perform such services and approved by the USAF Radioisotope Committee Secretariat.
18. The permittee shall conduct a physical inventory every 6 months to account for all sources received and possessed under this permit. The records of the inventories shall be maintained for 3 years from the date of the inventory for inspection by the NRC, the USAF Radioisotope Committee Secretariat, or the Medical Directorate of the Air Force Inspection Agency and shall include: a) inventory date, b) model and serial number of device and source, c) radionuclide and activity, d) date activity determined, e) device or source location, and f) signature of the Permit RSO certifying the accuracy of the inventory.
19. A. Each sealed source containing permitted material shall be tested for leakage at intervals not to exceed 12 months. Prior to

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SUPPLEMENTARY

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030-00300

receipt of permitted material, the permittee shall request certification that a satisfactory leak test has been performed within 12 months prior to receipt. The certification may be shipped with the source. If a source is received without a current leak test certificate, a satisfactory leak test shall be obtained prior to use.

B. Test samples shall be collected and analyzed by the manufacturer or collected by the permittee and forwarded to the Radioanalytical Branch of the United States School of Aerospace Medicine (USAFSAM/OEHH, 2350 Gillingham Drive Brooks City-Base TX 78235-5103) or any individual authorized by USNRC or Agreement State license or USAF or USN permit to evaluate leak tests for others and approved by the Radioisotope Committee Secretariat.

C. The test shall be capable of detecting the presence of 0.005 microcuries of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the NRC, the USAF Radioisotope Committee Secretariat, or the Medical Directorate of the Air Force Inspection Agency.

D. If the test reveals the presence of 0.005 microcuries or more of removable contamination, the source shall be removed from service and decontaminated, repaired, or prepared for disposal by the manufacturer in accordance with NRC regulations and Air Force directives. A report shall be filed with the USAF Radioisotope Committee Secretariat (AFMSA/SG3PB, 1500 Wilson Blvd, Suite 1600, Arlington, VA 22209) within 1 duty day of the date the leak test result is known. The report shall specify the source involved, the test results, and the corrective actions taken.

20. Transfer of permitted material shall only be to a USAF or USN Radioactive Material Permittee or to an NRC or Agreement State Licensee holding a valid authorization to receive the sources. The permitted materials shall be disposed of in accordance with AFI 40-201.
1. The permittee shall transport permitted material in accordance with 10 CFR 71, "Packaging of Radioactive Material for Transport," 49 CFR 170-189, Transportation, and DOD directive 4500.9 and subject to any host nation restrictions under the Status of Forces Agreements.
22. Except as specifically provided otherwise by this Permit, the possession and use of radioactive material described in Item 8 of the Permit shall be in accordance with statements, representation, and procedures contained in:

DOCUMENT REFERENCE	SUBJECT	DATE
554 RHS/CC (Application w/ Atch)	Application for Material Permit	17-Jul-2007
AFMSA/SG3PB (Memo w/ Atch)	Administrative Amendment	16-Oct-2008
554 RHS/CC (Memo w/ Atch)	Amendment, Change RSO and ARSO	11-Nov-2009
AFMSA/SG3PB (Memo w/ Atch)	Administrative Amendment	21-Dec-2010

The Nuclear Regulatory Commission's regulations and United States Air Force directives shall govern the permittee's statements in applications or letters, unless the statements are more restrictive than the regulations and directives.

Date: 21 Dec 10

FOR THE USAF RADIOISOTOPE COMMITTEE

By:



DANIEL A. SHAW, Maj, USAF, BSC
Chief, Radiological Health Operations
USAF Radioisotope Committee Secretariat
Air Force Medical Support Agency