



REGIONAL
CANCER CENTER

October 20, 2008

UNITED STATES NUCLEAR REGULATORY COMMISSION
Region III, Medical Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Re: Amendment to License Number 21-01430-01

Please add the following physicians as authorized user on our NRC license:

1. Robert Hills, M.D. for 10 CFR 35.100 and 35.200. Dr. Hills is listed as an authorized user on license number 21-32431-01.
2. Andrew B. Mackersie, M.D. for 35.100 and 35.200. Dr. Mackersie is currently listed as an authorized user on USAF Radioactive Material Permit No. FL-17214-02/08AFP. A copy of this permit is enclosed for your review.

Thank you for your assistance with this matter. Please contact Martin Johnson or Tracy Maudrie at 517-364-2658 if you have any questions.

Sincerely,

Martin W. Johnson, M.S.
Radiation Safety Officer
Edward W. Sparrow Hospital

Radiation Oncology

James G. Herman, MD, FRCP(C)
Medical Director
Radiation Oncologist

Luciano M. DiCarlo, DO
Radiation Oncologist

Bonnie Edison, PA-C

Kris Lindquist, PA-C

Theresa Pruder, MSA, RT (R)(T)
Manager

Medical Physics

Martin Johnson, MS

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

26 March 2008

MEMORANDUM FOR 96 MDG/SG
96 MDOS/SGSSN
IN TURN

FROM: AFMOA/SG3PR
110 Luke Avenue, Room 405
Bolling AFB DC 20032-7050

SUBJECT: Permit Amendment, USAF Radioactive Material Permit No. FL-17214-02/08AFP, Docket No. 030-12373

To the Permit RSO: Please make a copy for your files.

We have received a permit amendment request dated 25 February 2008 requesting the decommissioning of the former nuclear medicine clinic at Eglin AFB FL. Attached is amended permit FL-17214-02/09AFP reflecting the removal of rooms 1F079 (uptake/dosing room), 1F081 (hot lab), and 1F083 (imaging room) from the permit as authorized use locations as requested. Rooms associated with the clinic but not listed on the permit included 1F074.1 (reception desk), 1F075 (main corridor), 1F077 (office), 1F078 (NCOIC office), and 1F082 (bathroom). Based on the report provided, these areas are deemed available for general use (i.e., unrestricted release). Col Vincent Jones and Maj Andrew Mackerise are the primary and alternate permit radiation safety officers (RSOs) for this permit, respectively. The inspection category for this permit is 02121; the inspection frequency for this permit is every 5 years, unannounced; this permit expires 30 November 2008.

Carefully review the permit to ensure that it lists the requested radioactive materials and authorized uses and use locations, and that you understand all permit conditions. Should you have any questions or note any apparent differences in source authorization, radionuclide, form, quantity, or use from what was requested, call us immediately at the contact information provided below. Please note that revised AFI 40-201, *Managing Radioactive Materials in the US Air Force*, was published on 13 April 2007; it contains important new information regarding permit inspections and USAF radioisotope Committee (RIC) enforcement actions. Please ensure the Permittee and RSOs review this AFI. In addition, permit condition #26 references a RSO in training; please provide an update on the status of this training. Also, ensure you notify the RIC Secretariat of any office symbol changes (Permittee, RSO) and/or contact information within 30 days of the change.

If you have any questions regarding permit No. FL-17214-02/09AFP, then please contact me at DSN 297-4309, E-mail: robert.rodgers-02@pentagon.af.mil or David Cessor-Culver at DSN 297-4300, E-mail: david.cessor-culver.ctr@pentagon.af.mil. Additional contact information: telefax is DSN 754-8089, web page address is https://kx.afms.mil/rad_prot, and cell phone number for receiving after-duty-hours incident/accident reports is 703-340-0819.

Robert A. Rodgers

ROBERT A. RODGERS, Maj, USAF, BSC
Deputy Chief, Radiation Protection Division
USAF Radioisotope Committee Secretariat
Air Force Medical Operations Agency
Office of the Surgeon General

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Attachment:
Permit No. FL-17214-02/09AFP

cc:
96 AMDS/SGPBR
HQ AFMC/SGPB
HQ AFIA/SGI (Lt Col Adams)
USNRC, Region IV (Ms. Browder)

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RADIOACTIVE MATERIAL PERMIT
USAF RADIOISOTOPE COMMITTEE

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 96 MDG/SG 307 BOATNER RD EGLIN AFB FL 32542-5300	2. PERMIT NO. FL-17214-02/09AFP	3. AMENDMENT NO. 9
	4. EXPIRATION DATE 30-Nov-2008	
	5. DOCKET NO. 030-12373	
	6. PERMIT RSO: JONES, VINCENT	
7. ALTERNATE PERMIT RSO: MACKERISE, ANDREW		

8. RADIOACTIVE MATERIAL (Element and Mass Numbers)	9. CHEMICAL/PHYSICAL FORM (NSN or Model Number) (* denotes sealed sources)	10. MAXIMUM QUANTITY AUTHORIZED
A. Any byproduct material permitted by 10 CFR 35.100	A. Any	A. As needed
B. Any byproduct material permitted by 10 CFR 35.200, except Xenon-133	B. Any	B. As needed
C. Any accelerator produced diagnostic radiopharmaceutical, except Xenon-127	C. Any IND or FDA approved radiopharmaceutical	C. As needed
D. Any accelerator produced diagnostic calibration standard	D. Any	D. As needed; not to exceed 10 millicuries per source
E. Gadolinium-153	* E. SS&DR No. CA-0102-D-0101-S	E. 4 sources; not to exceed 300 millicuries per source

11. AUTHORIZED USE
- A. Medical use for uptake, dilution, and excretion studies permitted by 10 CFR 35.100
 - B. Medical use for imaging and localization studies permitted by 10 CFR 35.200
 - C. Medical use
 - D. Calibration
 - E. Calibration of ADAC Vantage gamma camera

12. AUTHORIZED USERS NAME	AUTHORIZED USE
Vicent T. Jones, M.D.	11 A, B, C, D, E
Andrew B. Mackerise, M.D.	11 A, B, C, D, E
Keri L. Baden, M. D.	11 A, B, C, D, E
David E. Kuhlman, M.D.	11 A, B, C, D, E

CONDITIONS

- 13. The authority for this permit is US Nuclear Regulatory Commission (NRC) Master Material License No. 42-23539-01AF issued to the USAF Radioisotope Committee and AFI 40-201, Managing Radioactive Materials in the USAF.
- 14. The permittee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," Part 20, "Standards for Protection Against Radiation," and Part 35, "Medical Use 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 all applicable Air Force Regulations, and all instructions and directives of the USAF Radioisotope Committee necessary to insure compliance.
- 15. Permitted material shall be used or stored only at the permittee's facilities: building #2825, rooms 1F042 (Cardiopulmonary Treadmill area), 1H053 (scanning room), 1H062 (permanent storage area), 1H063 (dosing/uptake room), and 3M001, 3M007 (Intensive Care Unit) located at Eglin AFB FL.
- 16. A. In addition to the possession limits in Item 10, the permittee shall further restrict the possession of sealed sources of permitted byproduct to quantities below 10E10 times the quantity specified in 10 CFR 30 Appendix B for establishing decommissioning financial assurance. If two or more radionuclides are possessed, the possession limit is determined as follows: for each radionuclide, determine the ratio of the quantity possessed to 10E10 times the applicable quantity specified in 10 CFR

RADIOACTIVE MATERIAL PERMIT
USAF RADIOISOTOPE COMMITTEE
SUPPLEMENTARY

Page 2 of 3

PERMIT NO.
FL-17214-02/09AFP
AMENDMENT NO.
9
DOCKET NO.
030-12373

30 Appendix B for that radionuclide. The sum of the ratios for all radionuclides possessed under the license shall not exceed unity.

B. Notwithstanding the authorizations in Items 8, 9, and 10 of this permit, the permittee will further limit the unscaled radioactive materials possessed under this permit to those isotopes with half lives less than 120 days.

17. The permittee shall notify AFMOA/SG3PR within 30 days of the termination of a "Notice of Claimed Investigational Exemption for a New Drug (IND)" for any material authorized by this permit.
18. The permittee shall not acquire permitted 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.
19. Specific calibration, transmission, and reference sources covered under 10 CFR 35.65 do not need to be listed in Item 8.
20. Sealed sources containing permitted material shall not be opened or removed from devices by the permittee.
21. A. (1) Each sealed source acquired from another person and containing permitted material, other than Hydrogen 3, with a half-life greater than 30 days and in any form other than gas shall be tested for contamination and/or leakage before use. In the absence of a certificate from a transferor indicating that a test has been made within 6 months before the transfer, a sealed source received from another person shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any permitted sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

(3) Except for alpha sources, the periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within 6 months before the date of use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or concentration.

B. Each sealed source containing permitted material, other than Hydrogen 3, with a half-life greater than 30 days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed 6 months except that each source designed for the purpose of emitting alpha particles shall be tested at intervals not to exceed 3 months.

C. Test sample(s) shall be collected by the permittee and forwarded to the Air Force Institute for Operational Health (AFIOH/SDR, 2350 Gillingham Dr. Brooks-City Base TX 78235-5103) or to any individual authorized by USNRC or Agreement State license or USAF or USN permit to evaluate leak tests for others.

D. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device for which the sealed source is permanently or semipermanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the NRC, the USAF Radioisotope Committee Secretariat, or the Medical Directorate of the Air Force Inspection Agency.

E. If the test required by Subsection A. or B. of this condition reveals the presence of 0.005 microcurie or more of removable contamination, the permittee shall immediately withdraw the sealed source from use and shall decontaminate it and either repair or dispose of it in accordance with NRC regulations and Air Force directives. A report shall be filed within 5 days of the test with the USAF Radioisotope Committee Secretariat (AFMOA/SG3PR, 110 Luke Ave Room 405, Bolling AFB DC 20032-7050) describing the equipment involved, the test results, and the corrective action taken.

22. The permittee shall conduct a physical inventory every 6 months to account for all sealed sources and devices containing permitted material 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

AF Form 1756, May 85

**RADIOACTIVE MATERIAL PERMIT
USAF RADIOISOTOPE COMMITTEE
SUPPLEMENTARY**

Page 3 of 3

PERMIT NO. FL-17214-02/09AFP
AMENDMENT NO. 9
DOCKET NO. 030-12373

of the Air Force Inspection Agency, and shall include: a) inventory date, b) model and serial number of device or source, c) radionuclide and activity, d) device or source location, and e) signature of the permit RSO certifying the inventory accuracy.

23. The permittee may transport permitted material in accordance with the provisions of 10 CFR 71, "Packaging of Radioactive Material for Transport" and 49 CFR 170 through 189, "Transportation" subject to any host nation restrictions under Status of Forces Agreements.
24. Transfer of permitted material may only be to a USAF or USN Radioactive Material Permittee or to an NRC or Agreement State License holding a valid authorization to receive the sources. The permitted materials must be disposed of in accordance with AFI 40-201.
25. The permittee shall ensure that a qualified Air Force or civilian medical physicist conducts a medical physics assistance visit at intervals not to exceed 24 months. A copy of the assistance visit report will be forwarded to the USAF Radioisotope Committee Secretariat within 30 days of report publication.
26. SSgt Denise Johnson is recognized as a Radiation Safety Officer in Training, effective 24 Jul 2006.
27. 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 the following documents:

DOCUMENT REFERENCE	SUBJECT	DATE
96 MDSS/SGSSN (Application w/ Atch)	Permit Renewal Application	25-Jan-2002
96 MDSS/SGSSN (Memo w/o Atch)	Amendment Request, Permit No. FL-17214-01/12AFP	20-Nov-2003
96 AMDS/SGPB (Memo w/ Atch)	Decommissioning of Nuclear Medicine rooms: D77, D78, D79, D80, D81	05-Jan-2004
96 AMDS/SGPB (Memo w/o Atch)	Decommissioning of Temporary sealed source storage area: room C23A	08-Jan-2004
96 MDSS/SGSSN (Memo w/o Atch)	Amendment Request - Add RSO and AU	26-Feb-2004
96 MDSS/SGSSN (Memo w/ Atch)	Amendment Request - Change RSO, AU, and rooms	01-Nov-2004
96 MDSS/SGSSN (Memo w/o Atch)	Amendment Request - Remove AU, Permit No. FL-17214-02/04AFP	26-Apr-2006
96 MDSS/SGSSN (Memo w/ Atch)	Amendment Request - Add AU, Major Baden	11-May-2006
96 MDSS/SGSSN (Memo w/ Atch)	Amendment Request - Remove/add rooms, RSO in training	24-Jul-2006
96 MDSS/SGSSN (Memo w/ Atch)	Amendment Request - Room Decon, letter, add AU, remove room	10-Aug-2006
96 MDOS/SGSSN (Memo w/Atch)	Amendment Request - Add authorized use areas (3 rooms)	30-Jan-2008
96 MDOS/SGOX (Memo w/Atch)	Amendment Request - Remove authorized use areas/decommission of former nuclear medicine clinic.	25-Feb-2008

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.

FOR THE USAF RADIOISOTOPE COMMITTEE:

Date 26 March 2008

By Robert A. Rodgers
 ROBERT A. RODGERS, Maj, USAF, BSC
 Deputy Chief, Radiation Protection Division
 USAF Radioisotope Committee Secretariat
 Air Force Medical Operations Agency
 Office of the Surgeon General

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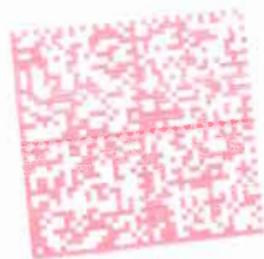
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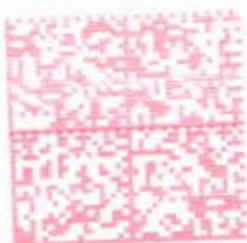
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