NRC FORM 374 (7-94)

OFFICIAL RECORD COPY

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 25

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	
1. Department of the Army Dwight D. Eisenhower Army Medical Center	In accordance with letter received on December 16, 1996 3. License Number 10-12044-03 is amended in its entirety to read as follows:
2. ATTN: HSHF-HP Fort Gordon, Georgia 30905-5650	4. Expiration Date July 31, 2003 (extended)
	5. Docket or Reference No. 030-11936 (10-12044-04)

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. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed
C. Iodine 131	C. Any unsealed form for preparation and administration as specified in 10 CFR 35.300	C. 111 gigabecquerels (3 curies)
D. Any byproduct material with a half-life less than 120 days except iodine 131	D. Any form for uses described in 10 CFR 35.300 initially distributed in accordance with a specific license issued pursuant to 10 CFR 32.72 or a specific license issued to the manufacturer by an Agreement State pursuant to equivalent State regulations.	D. As needed, not to exceed 3.7 gigabecquerels (100 millicuries) per container
E. Any byproduct material identified in 10 CFR 35.500	E. Any diagnostic sealed source identified in 10 CFR 35.500 and registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	E. As needed (See Item 9.E)
F. Any byproduct material identified in 10 CFR 31.11	F. Prepackaged Kits	F. As needed

200026

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number: 10-12044-03

Docket or Reference Number: 030-11936

Amendment No. 25

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
G. Any byproduct material with atomic numbers 3 - 83, inclusive, with a half-life less than 120 days	G. Any	G. Not to exceed 925 megabecquerels (25 millicuries) per nuclide
H. Any byproduct material with atomic numbers 3 - 83, inclusive, with a half-life equal to or greater than 120 days	H. Any	H. Not to exceed 925 gigabecquerels (25 millicuries) per nuclide
I. Hydrogen 3	I. Any	I. 1.85 gigabecquerels (50 millicuries)
J. Hydrogen 3	J. Foil and/or plated source in a detector cell registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	J. 18.5 gigabecquerels (500 millicuries)
K. Nickel 63	K. Foil and/or plated source in a detector cell registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation	K. 11.1 gigabecquerels (300 millicuries)
L. Cesium 137	L. Sealed sources	L. 4837 terabecquerels (131 curies)
M. Americium 241	M. Sealed sources	M. 1.11 gigabecquerels (30 millicuries)
N. Gadolinium 153	N. Sealed sources (North American Scientific Model MED 3601)	N. Not to exceed 11.1 gigabecquerels (300 millicuries) each, 37 terabecquerels (1 curie) total
O. Cesium 137	O. Sealed sources (CEA-ORIS-LAPIB Model 437C)	O. 188.7 terabecquerels (5100 curies), not to exceed 62.9 terabecquerels (1700 curies) per source
P. Cesium 137	P. Sealed sources	P. 18.5 gigabecquerels (500 millicuries)

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
10-12044-03

Docket or Reference Number
030-11936

Amendment No. 25

9. Authorized Use:

A. Medical use described in 10 CFR 35.100
B. Medical use described in 10 CFR 35.200
C. and D. Any radiopharmaceutical therapy approved in §35.300
E. Medical use described in 10 CFR 35.500
F. *In vitro* studies
G.- I. For possession and use in *in vitro* testing, laboratory studies, and research including animal studies.
J.- K. For possession and use of foil and/or plated source in a detector cell (registered pursuant to 10 CFR 32.210 or an equivalent Agreement State regulation) for use in compatible gas chromatographs for sample analysis.
L. Two sealed sources for use in J.L. Shepherd Model 89 shielded calibration unit for the calibration of instruments.
M. For use in anatomical markers and instrument calibration.
N. For possession and use in an ADAC Vantage Nonuniform Attenuation Correction System for imaging purposes. For storage in a shipping cask pursuant to source exchange.
O. For possession and use in a Compagnie GRIS Industrie Model IBL-437C self-contained irradiator for in vitro irradiation of blood, blood products, cells and tissues.
P. For possession and use in the calibration of instruments.

CONDITIONS

10. Location for use: Dwight David Eisenhower Army Medical Center
Fort Gordon, Georgia

11. Radiation Safety Officer: **COL Robert Kaminski, MD**

12. A. The use of licensed material in or on humans shall be by a physician, dentist, or podiatrist as defined in 10 CFR 35.2.

B. Physicians, dentists, or podiatrists designated to use licensed material in or on humans shall meet the training criteria established in 10 CFR 35, Subpart J and shall be designated by the licensee's Radiation Safety Committee. The licensee shall maintain records of individuals designated as users for three years after the individual's last use of licensed material.

C. Licensed material for other than human use shall be used by or under the supervision of individuals designated by the Radiation Safety Committee. The licensee shall maintain records of individuals designated as users for three years after the individual's last use of licensed material.

13. Sealed sources containing licensed material shall not be opened by the licensee.

CONDITIONS

Continued -

14. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to 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 six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

E. Sealed sources need not be leak tested if:

(i) they contain only hydrogen-3; or
(ii) they contain only a radioactive gas; or
(iii) the half-life of the isotope is 30 days or less; or
(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
(v) they are not designed to emit alpha particles, 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The leak test shall be capable of detecting the presence of 0.005 microcurie 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 Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region II, ATTN: Chief, Materials Licensing/Inspection Branch, 101 Marietta Street N.W., Suite 2900, Atlanta, Georgia, 30323-0199. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.

G. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to Perform such services.

15. Maintenance, repair, cleaning, replacement and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
10-12044-03

Docket or Reference Number
030-11936

Amendment No. 25

CONDITIONS

Continued -

16. A. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents the foil temperature from exceeding that specified by the manufacturer and approved by the NRC.

B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.

17. The licensee shall conduct a physical inventory every three months to account for all sources and/or devices received and possessed pursuant to 10 CFR 35.59, 10 CFR 35.400 and 10 CFR 35.500 and every six months for all other sources and/or devices. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the information required in 10 CFR 35.59(g).

18. The device manufacturer's Instruction Manual for the International CIS Model IBL-437C irradiator shall be followed and a copy of this manual shall be made available to each person using or having responsibility for the use of the device.

19. The licensee shall not perform repairs or alterations of the International CIS Model IBL-437C irradiator or the J.L. Shepherd Model 89 shielded calibration unit involving removal of shielding or access to the licensed material. Removal replacement, and disposal of sealed sources in the irradiator shall be performed by a person specifically licensed by the Commission or an Agreement State to perform such services.

20. The licensee is authorized to hold radioactive material with a physical half-life of less than 65 days for decay-in-storage before disposal in ordinary trash provided:

A. Radioactive waste to be disposed of in this manner shall be held for decay a minimum of 10 half-lives.

B. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.

C. Generator columns shall be segregated so that they may be monitored separately to ensure decay to background levels prior to disposal.

D. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
10-12044-03

Docket or Reference Number
030-11996

Amendment No. 25

CONDITIONS

Continued -

21. In addition to the possession limits in item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

22. The licensee shall maintain records of information important to safe and effective decommissioning at the licensee's facilities listed in Condition 10 pursuant to the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

23. Except as specifically provided otherwise in the license and as provided in 10 CFR 35.51, the licensee shall conduct its program in accordance with statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive that the regulations.

A. Application dated December 14, 1992 [renewal application]

B. Letters dated:

1. May 25, 1993 [change of RSO and Alternate RSO]
2. July 15, 1993 [supplemental information]
3. May 5, 1994 [change of RSO and Alternate RSO]
4. June 7, 1995 [change of RSO, change in waste storage room]
5. July 21, 1995 w/endorsements [change of Alternate RSO]
6. April 4, 1996 [Add ADAC device]
7. August 1, 1996 [Change bioassay program]

C. Letter received on December 16, 1996 [change of RSO and package monitoring procedures]

D. Reference March 1, 1996 letter from NRC on extension of expiration date per 10 CFR 30.36.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

HECTOR BERMUDEZ

DATE JAN 15 1997

BY _____

Region II, Division of Nuclear Materials Safety
101 Marietta Street, N.W., Suite 2900
Atlanta, Georgia 30323-0199

N:\MLICENSE\10-12044.A25

1/15/97

	:	(FOR LFMS USE)
	:	INFORMATION FROM LTS
BETWEEN:	:	----------
	:	
License Fee Management Branch, ARM	:	Program Code: 03610
and	:	Status Code: 0
Regional Licensing Sections	:	Fee Category: EX 7B 3E
	:	Exp. Date: 20030731
	:	Fee Comments: _____
	:	Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
   Applicant/Licensee: ARMY, DEPARTMENT OF THE
   Received Date: 961216
   Docket No: 3011936
   Control No.: 257312
   License No.: 10-12044-03
   Action Type: Amendment

2. FEE ATTACHED
   Amount: _____
   Check No.: _____

3. COMMENTS

Signed _____
Date _____

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:
   Amendment _____
   Renewal _____
   License _____

3. OTHER _____
   _____

Signed _____
Date _____

January 14, 1997

Department of the Army
Dwight D. Eisenhower Army
Medical Center
ATTN: Mr. Stephen N. Xenakis
Commander
HSHF-HP
Fort Gordon, GA 30905-5650

SUBJECT: TRANSMITTAL AND EXPLANATION OF MATERIALS LICENSE
(REFERENCE CONTROL NO. 257312; DOCKET NO. 030-11936)

Gentlemen:

Enclosed is Amendment No. 25 to License No. 10-12044-03 issued in response to your application received on December 16, 1996. Revisions to your license are printed in **BOLD** typeface. As requested, the amendment allows a change in Radiation Safety Officer and package monitoring procedures. However, please note that your request to designate Lieutenant Rey Gumboc as Alternate Radiation Safety Officer can not be approved at this time, in that 10 CFR 35.900 requires a minimum of 200 hours of classroom and laboratory experience in certain topics and the submitted credentials do not meet the requirement. As discussed with Mr. Sam Osborne of your health physics staff on January 14, 1997, we proceeded to amend the license without the designation of an Alternate Radiation Safety Officer pending a future submittal of an application requesting the designation of an individual whose credentials meet 10 CFR 35.900.

Please review this document carefully and be sure that you understand all of its provisions. If you have questions about this letter or your license, please call me at (404) 331-7880.

Sincerely,

/S/

Héctor Bermúdez
Materials Licensing/Inspection Branch 2
Division of Nuclear Materials Safety

Enclosure: Amendment No. 25

	HB					
	1/14/97	1/15/97				
COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: G:\DRSS\NMLS\LICLTR\257312T.HB

rec'd
12/16/96
JP

DEPARTMENT OF THE ARMY
HEADQUARTERS DWIGHT DAVID EISENHOWER ARMY MEDICAL CENTER
FORT GORDON, GEORGIA 30905-5650

Health Physics Office

SUBJECT: Request For Amendment to NRC License Number 10-12044-03, Dwight David Eisenhower Army Medical Center, Fort Gordon, GA, 30905-5650

U.S. Nuclear Regulatory Commission, Region II
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30323

Dear Sir:

Request that Nuclear Regulatory Commission (NRC) License Number 10-12044-03 be amended as follows:

a. Effective February 1, 1997, Colonel Robert Kaminski be designated the Radiation Protection Officer, replacing Captain Michael A. Tressler. A copy of Colonel Kaminski's Curriculum Vitae is provided as enclosure 1. Colonel Kaminski has been an authorized radioactive material user at Dwight David Eisenhower Army Medical Center since 1989.

b. Designate Second Lieutenant Rey D.L. Gumboc as Alternate Radiation Protection Officer. A copy of Lieutenant Gumboc's Curriculum Vitae and NRC Form 313M is provided as enclosure 2.

c. Change procedures for monitoring incoming packages of radioactive material to reflect current monitoring requirements as described in 10 CFR20.1906. Specifically, 10 CFR 20.1906(c) stating that a licensee must monitor a package that arrives after working hours within 3 hours after the start of the next working day instead if 18 hours after arrival as specified in 10 CFR 20.205(c)(1) and 10 CFR 20.205(b)(1)(v).

The Radiation Safety Committee approved this request on December 11, 1996. The point of contact regarding this amendment for USNRC License No. 10-12044-03 is Captain Tressler, (706) 787-4692.

Sincerely,

for Stephen N. Xenakis
Brigadier General, U.S. Army
Commanding

cc, rec. Dcmo

257312

Enclosures

CURRICULUM VITAE

NAME:	KAMINSKI, Robert J.
ADDRESS:	615 McKinne's Branch Evans, GA 30809-4081
DATE OF BIRTH:	November 13, 1946
PLACE OF BIRTH:	Hamtramck, Michigan
MARITAL STATUS:	Married, two children
MILITARY SERVICE:	U.S. Army, 1970 - 1980 1989 - present

ACADEMIC AND PROFESSIONAL EDUCATION:

1964 - 1966	University of Detroit, Detroit, MI
1966 - 1967	University of Michigan, Dearborn, MI B.S. (Experimental Biology), August 8, 1967
1967 - 1971	Tulane University, New Orleans, LA M.D., May 29, 1971
1971 - 1972	Straight Surgery Internship, Walter Reed Army Medical Center, Washington, D.C.
1972 - 1975	Diagnostic Radiology Residency, Walter Reed Army Medical Center, Washington, D.C.
1975 - 1977	Nuclear Medicine Fellowship, Walter Reed Army Medical Center, Washington, D.C.

HOSPITAL/TEACHING APPOINTMENTS:

1977 - 1978	Assistant Chief, Nuclear Medicine Service, Walter Reed Army Medical Center, Washington, D.C.
1978 - 1980	Chief, Nuclear Medicine Service, and Director of Nuclear Medicine Residency Training Program, Walter Reed Army Medical Center, Washington, D.C.
1978 - 1980	Assistant Clinical Professor of Radiology, The George Washington University School of Medicine and Health Sciences, Washington, D.C.
1979 - 1980	Assistant Professor, Department of Radiology/Nuclear Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD

ENCLOSURE 1

1980 - 1981	Associate Director, Department of Nuclear Medicine, Touro Infirmary, New Orleans, LA
1981 - 1984	Director, Department of Nuclear Medicine, Blanchard Valley Hospital, Findlay, OH
1984 - 1989	Director, Department of Nuclear Medicine, Lafayette General Medical Center, Lafayette, LA
1989 - present	Assistant Chief, Nuclear Medicine Service, Eisenhower Army Medical Center, Fort Gordon, GA
1990 - present	Assistant Clinical Professor of Radiology and Radiologic Technologies, Medical College of Georgia, Augusta, GA

BOARD CERTIFICATION:

1975	American Board of Radiology (Diagnostic Radiology)
1976	American Board of Radiology (Diagnostic Radiology with Special Competence in Nuclear Radiology)
1977	American Board of Nuclear Medicine

MEDICAL LICENSES:

1971	Louisiana
1981	Ohio

AWARDS AND HONORS:

1967	Distinguished Scholar Award and Scholastic Key, University of Michigan
1967	B.S. with high distinction, University of Michigan
1971	Alpha Omega Alpha (honor medical society)
1971	M.D. with honors, Tulane University

PROFESSIONAL SOCIETIES:

1974	Radiological Society of North America
1977	Society of Nuclear Medicine
1979	American College of Nuclear Physicians
1990	Association of Military Surgeons of the United States
1993	American College of Nuclear Medicine

SCIENTIFIC ARTICLES AND ABSTRACTS:

Hertzler EC, Kaminski RJ: Compact stimulator using integrated circuits and battery power. Journal of Applied Physiology 24:249-251, 1968.

Kaminski RJ, Meyer GA, Winter DL: Sympathetic unit activity associated with Mayer waves in the spinal dog. American Journal of Physiology 219:1768-1771, 1970.

Corcoran RJ, Thrall JH, Kaminski RJ, Varma VM, Johnson MC: Body-background defects with 99mTc-DTPA after renal transplantation: case reports. Journal of Nuclear Medicine 17:696-698, 1976.

Corcoran RJ, Thrall JH, Kyle RW, Kaminski RJ, Johnson MC: Solitary abnormalities in bone scans of patients with extraosseous malignancies. Radiology 121:663-667, 1976.

Gross R, Johnson LF, Kaminski RJ: Esophageal emptying in achalasia, quantitated by a radioisotopic technique. Gastroenterology 72:1159, 1977.

Gross R, Johnson LF, Kaminski RJ: Improved esophageal emptying in achalasia after pneumatic dilation assessed by changes in symptoms, LES pressure (LESP) and a pH reflux test. Gastroenterology 74:1042, 1978.

Gross R, Johnson LF, Kaminski RJ: Reliability of symptom assessment, LES pressure (LESP) and barium meal to predict rate of esophageal emptying in achalasia. Gastroenterology 74:1043, 1978.

Gross R, Johnson LF, Kaminski RJ: Esophageal emptying in achalasia quantitated by a radioisotopic technique. Digestive Disease and Sciences 24:945-949, 1979.

Carr JR, Petty JR, Yates AT, Kyle RW, Corcoran RJ, Kaminski RJ: A dynamic heart phantom for simulating left ventricular imaging characteristics. Journal of Nuclear Medicine Technology 7:49, 1979.

Carr JR, Wilk JM, Blue PW, Corcoran RJ, Kaminski RJ: A method to index thyroid size for Anger camera pinhole collimator imaging. Journal of Nuclear Medicine Technology 7:50, 1979.

Rajfer SI, Oetgen WJ, Weeks KD, Kaminski RJ, Rocchini AP: Thallium-201 scintigraphy after surgical repair of hemodynamically significant primary coronary artery anomalies. Chest 81:687-692, 1982.

The American Board of Nuclear Medicine

Incorporated 1971

A conjoint Board organized with the sponsorship of the American Board of Internal Medicine, American Board of Pathology, American Board of Radiology and the Society of Nuclear Medicine hereby certifies that

obert aminski,

has met the requirements of this Board and is certified as qualified to practice as a specialist in all aspects of clinical and laboratory

Nuclear Medicine

including but not limited to Radiobioassay, Nuclear Imaging, in Vivo Measurements & Therapy with unsealed Radionuclides.

F. J. Bonte M.D.
CHAIRMAN

S. A. Goldsmith
SECRETARY

NUMBER

DATE

J. SVAREN

RADIOACTIVE MATERIAL LICENSE

LOUISIANA NUCLEAR ENERGY DIVISION
P O BOX 14690
BATON ROUGE, LOUISIANA 70808

Pursuant to the Louisiana Environmental Affairs Act (West's LSA R S 30:1051 et seq) and the Louisiana Radiation Regulations, and in reliance on state ments and representations heretofore made by licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess and transfer radioactive aterial for the purpose(s) and at the place(s) designated below. This license shall be deemed to contain the conditions specified in West's LSA-R.S. 30:1105 of the ouisiana Nuclear Energy and Radiation Control Law, and is subject to all applicable rules, regulations and orders of the Louisiana Nuclear Energy Division now or ereafter in effect, including the Louisiana Radiation Regulations, and to any condition specified in the license.

LICENSEE

Lafayette General Hospital
P.O. Box 52009, O.C.S.
Lafayette, Louisiana 70505

Attention: Lazard Klinger, M.D.

LICENSE NUMBER	EXPIRATION DATE
LA-0581-L01	March 31, 1985
AMENDMENT NUMBER: ☐ INITIAL LICENSE — 37	Previous Amendments Are Void

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH

☐ Application ☒ Letter ☐ Telegram ☐ _____

SIGNED BY	DATE
L. Klinger, M.D.	March 18, 1982

RADIOISOTOPE ELEMENT	RADIOISOTOPE MASS NO	MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY* OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION — CHEMICAL FORM—PHYSICAL STATE	STORAGE CONTAINER OR EXPOSURE DEVICE — AUTHORIZED USE
C	14	Total	3 mCi	Labeled Substrate	BACTEC In Vitro Studies
P	32	Total	200 mCi	Sodium Phosphate	Treatment of Metastases in Bone Treatment of Leukemia Treatment of Polycythemia Vera
Co	57	Any	10 mCi	Any Commercially Available Calibration, Reference or Flood Source or Anatomical Marker	Calibration or Reference Standard, Flood Studies or Spot Marker
Mo	99	Total	2.5 Ci	Any Approved Tc-99m Generator	Production of Tc-99m Pertechnetate
I	125	Total	10 mCi	Labeled Human Fibrinogen	Detection of Deep Vein Thrombosis
I	131	Total	300 mCi	Sodium Iodide	Treatment of Hyperthyroidism Treatment of Thyroid Carcinoma
Ba	133	Total	1 mCi	Any Commercially Available Calibration or Reference Source	Calibration or Reference Standard
Xe	133	Total	300 mCi	Gas or Gas in Solution	Pulmonary Function Studies
Cs	137	Any	1 mCi	Any Commercially Available Calibration or Reference Source	Calibration or Reference Standard

*μCi—Microcurie; mCi—Millicurie; Ci—Curie

DATE JAN [illegible] 1987 | PAGE [illegible] OF [illegible] PAGES

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY* OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
SYMBOL	MASS NO.			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE
Au	195	Any	3 mCi	Any Commercially Available Calibration or Reference Source	Calibration or Reference Standard
Au	198	Total	300 mCi	Colloidal Suspension	Intracavitary Treatment of Pleural and Peritoneal Effusions and/or Ascites
Ra	226	Any	20μ Ci	Any Commercially Available Calibration or Reference Source	Calibration or Reference Standard

In addition to the above schedule any radioactive material, chemical form and procedure listed in attached Medical Groups I, II and III are authorized with a maximum possession as necessary for the authorized use.

1. Radioactive material shall be used only at Lafayette General Hospital, 1214 Coolidge Avenue, Lafayette, Louisiana.

2. A. Radioactive material listed in the schedule shall be used by, or under the supervision of, Lazard Klinger, M.D., Albin H. Steiner, M.D., Charles Reinninger, M.D., or Darrell Girouard, M.D.

   B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic procedures, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D. or Vidyadhor Akkaraju, M.D.

   C. Radioactive material listed in the following schedule may be used by J. T. McQuitty, M.D.

C	14	Total	3 mCi	Labeled Substrate	BACTEC In Vitro Studies
Co	57	Total	1 mCi	Labeled Vitamin B-12	Diagnosis of Pernicious Anemia
Co	60	Total	1 mCi	Labeled Vitamin B-12	Diagnosis of Pernicious Anemia
I	125	Total	1 mCi	Labeled Compounds for Radioimmunoassays and Competitive Protein Binding Analysis	In Vitro Studies
I	125	Total	2 mCi	Iodinated Human Serum Albumin	Blood and Plasma Volume Determinations
I	131	Total	2 mCi	Iodinated Human Serum Albumin	Blood and Plasma Volume Determinations

3. Radioactive material shall not be used in humans until its pharmaceutical quality and assay have been established.

*μCi—Microcurie; mCi—Millicurie; Ci—Curie

4. A report of any irregularities pertaining to identification, labeling, quality or assay of any radiopharmaceutical received under the authority of this license shall be filed within ten (10) days of occurrence with the Administrator of the Louisiana Nuclear Energy Division.

5. A report of any adverse reactions resulting from the use of a radiopharmaceutical shall be filed within five (5) days of the occurrence with the Administrator of the Louisiana Nuclear Energy Division for review by the Medical Advisory Committee.

6. The Administrator of the Louisiana Nuclear Energy Division shall be advised of any secondary infection (e.g. Hepatitis B virus) that may have resulted from the use of labeled human fibrinogen.

7. Biological products labeled with radionuclides or kits used to prepare such products shall be procured from a supplier who holds an unsuspended or unrevoked license issued by the Secretary of the Department of Health and Human Services to propagate, manufacture, prepare, label, or distribute the products. The labeled biological products shall be used only for the medical indications covered by the supplier's Department of Health and Human Services license.

8. For Groups I, II and III any licensee using radioactive material for clinical procedures other than those specified in the product labeling (package insert) shall comply with the product labeling regarding:

   A. Chemical and physical form;

   B. Route of administration; and

   C. Dosage range.

9. For Group III, any licensee who uses generators or reagent kits shall elute the generator or process radioactive material with the reagent kit in accordance with instructions which are approved by the Nuclear Regulatory Commission or an Agreement State and are furnished by the manufacturer on the label attached to or in the leaflet or brochure that accompanies the generator or reagent kit.

10. A. Technetium-99m Sulfur Colloid shall be procured in a separate, prepackaged, precalibrated form from a pharmaceutical supplier who manufactures or prepackages the product under appropriate pharmaceutical controls related to assay, identity, quality, purity, sterility and pyrogenicity or prepared by using an approved sulfur colloid kit for aseptic addition of Technetium-99m Pertechnetate to prepackaged sterile and pyrogen-free reagents.

    B. Technetium-99m Sulfur Colloid preparations which appear flocculent or aggregated shall not be used in humans.

11. Technetium-99m DTPA shall be prepared by using an approved kit for aseptic addition of Technetium-99m Pertechnetate to prepackaged, sterile and pyrogen-free reagents.

12. Technetium-99m labeled human albumin microspheres or commercial kits used to prepare the product, shall be procured and/or prepared in accordance with instructions furnished by the manufacturer on the label or in the leaflet or brochure that accompanies the kit.

13. Technetium-99m labeled human albumin microspheres shall either be restricted from use or administered under special considerations for patients exhibiting a right-to-left cardiac shunt.

14. Unit dose vials containing Yb-169 DTPA shall be entered only once.

15. Equipment with at least single-channel analyzer capabilities shall be used for Iodine-125 procedures.

16. Placenta localization studies require:

    A. confirmatory statement that the obstetrician feels that the test is necessary and will be beneficial to the management of the patient;

    B. that the test will only be performed in the latter half of the gestation period;

    C. that the test will be performed with a gamma camera; and

    D. that the test will be used only when other modalities are not available.

17. For patients who have received therapeutic amounts of radionuclides, the provisions of NCRP Report No. 37, "Precautions in the Management of Patients Who Have Received Therapeutic Amounts of Radionuclides," shall govern:

    A. hospital and nursing care; and

    B. release from the hospital, which may be authorized only by Lazard Klinger, M.D., Albin H. Steiner, M.D., Charles Reinninger, M.D., or Darrell Girouard, M.D.

18. Sealed sources containing radioactive material shall not be opened by the licensee.

19. Leak tests shall be performed in accordance with Section D.201(b) of the Louisiana Radiation Regulations using approved leak test kits.

20. Except as specifically provided otherwise by the license, the licensee shall possess and use radioactive material described in all schedules of this license in accordance with statements, representations and procedures contained in the licensee's application dated March 18, 1982, and in all subsequent correspondence.

RLW:jow

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

[illegible]

[illegible]

LICENSEE	LICENSE NUMBER	AMENDMENT NO.	AMENDMENT DATE
Lafayette General Hospital P. O. Box 52009, O.C.S. Lafayette, Louisiana 70505 Attention: Mike Ramsey, Vice President Professional Services	LA-0581-LO1	38	March 31, 1985

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH

☐ Application ☒ Letter ☐ Telegram ☐ LNED Action ☐

SIGNED BY	DATE
John J. Burdin, Jr.	June 9, 1983

INITIAL LICENSE Amendment Number 37 through Amendment Number 38 constitute a complete license. Previous amendments are void.

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
EMENT	MASS NO			CHEMICAL FORM PHYSICAL STATE	AUTHORIZED USE

Condition 2.D. is added to the license:

2. D. Radioactive material listed in the following schedule may be used by Lester L. Ducote, M.D.

Tc	99m	Pertechnetate	Cardiac Imaging
Tc	99m	Pyrophosphate	Myocardial Imaging
Tc	99m	Labeled Human Serum Albumin	Cardiac Imaging
Tl	201	Chloride	Myocardial Imaging

JJB:lc

*μCi–Microcurie mCi–Millicurie Ci–Curie

DATE JUN 23 1983 PAGE 1 OF PAGES 1

RADIOACTIVE MATERIAL LICENSE AMENDMENT

RRECTED COPY" LOUISIANA NUCLEAR ENERGY DIVISION "CORRECT COPY"

Lafayette General Hospital
P.O. Box 52009, O.C.S.
Lafayette, Louisiana 70505

Attention: Mike Ramsay
Vice-President

LICENSE NUMBER: LA-0581-L01 | AMENDMENT NO.: 39 | DATE OF AMENDMENT: March 31, 1985

THIS LICENSE IS ISSUED PURSUANT TO AND IN ACCORDANCE WITH:

☐ Application ☒ Letter ☐ Telegram ☐ LNED Action

☐

SIGNED BY: M. Ramsay, V.P. DATE: November 29, 1983

INITIAL LICENSE Amendment Number 37 through Amendment Number 39 constitute a complete license. Previous amendments are void.

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
MENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

Condition 2.A is revised to read:

2.A. Radioactive material listed in the schedule shall be used by, or under the supervision of, Charles Reinninger, M.D., Darrell Girouard, M.D., or Lazard Klinger, M.D.

Condition 2.B. is revised to read:

2.B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic procedures, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D., Vidyadhor Akkaraju, M.D., and Thomas L. Dumler, M.D.

JJB:cwr

μCi-Microcurie, mCi-Millicurie, Ci-Curie

FOR THE [illegible]

PAGE 1 OF PAGES 1

RADIOACTIVE MATERIAL LICENSE AMENDMENT

JUL 2 3 1984

LOUISIANA NUCLEAR ENERGY DIVISION

Certified Mail: P 547 671 087

Lafayette General Hospital
P. O. Box 52009, O.C.S.
Lafayette, Louisiana 70505

Attention: Mike Ramsay
Vice President
Professional Services

LICENSE NUMBER	AMENDMENT NO.	DATE OF AMENDMENT
LA-0581-L01	40	March 31, 1985

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH

☐ Application ☒ Letter ☐ Telegram ☐ LNED Action ☐

SIGNED BY: M. Ramsay DATE: March 12, 1984

INITIAL LICENSE
Amendment Number 37 through Amendment Number 40 constitute a complete license. Previous amendments are void.

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
MENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

Condition 2.A. is revised to read:

2.A. Radioactive material listed in the schedule shall be used by, or under the supervision of, Charles Reinninger, M.D., Darrell Girouard, M.D., Lazard Klinger, M.D., or Robert J. Kaminski, M.D.

Condition 2.B. is revised to read:

2.B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic procedures, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D., or Thomas L. Dumler, M.D.

JJB:to

257312

μCi—Microcurie mCi—Millicurie Ci—Curie

L. Hall Bohlinger

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

tified Mail # P 547 671 146

"CORRECTED COPY"

Lafayette General Hospital
P. O. Box 52009, O.C.S.
Lafayette, Louisiana 70505

Attention: Mike Ramsay
Vice President
Professional Services

LICENSE NUMBER	AMENDMENT NUMBER	DATE
LA-0581-L01	40	March 31, 1985

THIS LICENSE IS ISSUED PURSUANT TO AND IN ACCORDANCE WITH:

☐ Application ☒ Letter ☐ Telegram ☐ L.N.E.D. Action

☐

SIGNED BY	DATE
M. Ramsay	March 12, 1984

INITIAL LICENSE
Amendment Number 37 through Amendment Number 40 (include a complete license if many changes are involved - do not list)

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
MENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

Condition 2.A. is revised to read:

2.A. Radioactive material listed in the schedule shall be used by, or under the supervision of, Charles Reinninger, M.D., Darrell Girouard, M.D., Lazard Klinger, M.D., or Robert J. Kaminski, M.D.

Condition 2.B. is revised to read:

2.B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic procedures, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D., Thomas L. Dumler, M.D., or Vidyahar Akkaraju, M.D.

JJB:to

μC—Microcurie mC—Millicurie C—Curie

L. Hall Bohlinger	DATE	PAGE 1	OF PAGES 1

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

RTIFIED MAIL #: P 182 224 683

fayette General Hospital
O. Box 52009, O.C.S.
fayette, Louisiana 70505

tention: Mike Ramsay
Vice President

LICENSE NUMBER	AMENDMENT NO.	EXPIRATION DATE
LA-0581-L01	41	March 31, 1987

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH:

☐ Application ☒ Letter ☐ Telegram ☐ LNED Action

☐

SIGNED BY M. Ramsay DATE January 29, 1985

INITIAL LICENSE
Amendment Number 37 through Amendment Number 41 constitute a complete license. Previous amendments are void.

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
MENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

e expiration date is extended from March 31, 1985 to March 31, 1987.

JJB:cwr

'μCi—Microcurie, mCi—Millicurie, Ci—Curie

Greg J. Gasperecz

DATE February 22, 1985

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

[illegible]

[illegible]

.RTIFIED MAIL #: P 181 901 339

ıfayette General Hospital
214 Coolidge Avenue
ıfayette, Louisiana 70505

ttention: Mike Ramsay
Vice President

LICENSE NUMBER	AMEND.	EXPIRATION DATE
LA-0581-L01	42	March 31, 1987

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH:

☐ Application ☒ Letter ☐ Telegram ☐ L N E D Action

☐

SIGNED BY: M. Ramsay DATE: May 2, 1985

☐ INITIAL LICENSE
Amendment Number 37 through Amendment Number 42 constitute a complete license. Previous amendments are void.

RADIOISOTOPE ELEMENT	RADIOISOTOPE MASS NO	MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION / CHEMICAL FORM PHYSICAL STATE	STORAGE CONTAINER OR EXPOSURE DEVICE / AUTHORIZED USE
32		Total	50 mCi	Colloidal Chromic Phosphate	Intracavitary Treatment of Pleural or Peritoneal Effusions and/or Ascites

The above schedule of radioactive material is added to the license.

JJB:cwr

μCi–Microcurie, mCi–Millicurie, Ci–Curie

[illegible] ASSISTANT SECRETARY

DATE May 8, 1985

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

afayette General Hospital
214 Coolidge Avenue
afayette, Louisiana 70505

LICENSE NUMBER: LA-0581-L01 | AMENDMENT NUMBER: 43 | AMENDMENT DATE: March 31, 1987

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH

☐ Application ☒ Letter ☐ Telegram ☐ L.N.E.D. Action

☐

SIGNED BY: J. Michael Ramsay | DATE: September 24, 1986

ttention: J. Mike Ramsay
Senior Vice President

☐ INITIAL LICENSE
Amendment Number 37 through Amendment Number 43 constitute a complete license. Previous amendments are void

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
ELEMENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

Condition 2 is hereby revised to read as follows:

2. A. Radioactive material listed in the schedule shall be used by, or under the supervision of, Darrell Girouard, M.D., Lazard Klinger, M.D., or Robert J. Kaminski, M.D.

B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic procedures, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D., Thomas L. Dumler, M.D., Vidyahar Akkaraju, M.D., or Errol Anderson, M.D.

C. Radioactive material listed in Group I and in the following schedule may be used by, or under the supervision of, J. T. McQuitty, M.D.

C	14	Labeled Substrate	Bactec In Vitro Studies

D. Radioactive material listed in the following schedule may be used by Lester L. Ducote, Jr., M.D.

Tc	99m	Pertechnetate	Cardiac Imaging
Tc	99m	Pyrophosphate	Myocardial Imaging
Tc	99m	Labeled Human Serum Albumin	Cardiac Imaging
Tl	201	Chloride	Myocardial Imaging

SCC:cwr
μCi-Microcurie mCi-Millicurie Ci-Curie

DATE: September 26, 1986 | PAGE 1 OF 1

RADIOACTIVE MATERIAL LICENSE AMENDMENT

LOUISIANA NUCLEAR ENERGY DIVISION

[illegible]

[illegible]

Lafayette General Hospital
214 Coolidge Avenue
Lafayette, Louisiana 70505

Attention: J. Mike Ramsey
Senior Vice President

LICENSE NUMBER: LA-0581-L01 | AMENDMENT NUMBER: 44 | EFFECTIVE DATE: March 31, 1991

THIS LICENSE ISSUED PURSUANT TO AND IN ACCORDANCE WITH

☐ Application ☒ Letter ☐ Telegram ☐ LNED Action ☐ [illegible]

SIGNED BY: Mike Ramsey

DATE: September 18, 1987

☐ INITIAL LICENSE
Amendment Number 37 through Amendment Number 44 constitute a complete license. Previous amendments are void.

RADIOISOTOPE		MAXIMUM NUMBER OF SOURCES	MAXIMUM ACTIVITY OR QUANTITY PER SOURCE	SEALED SOURCE IDENTIFICATION	STORAGE CONTAINER OR EXPOSURE DEVICE
LEMENT	MASS NO			CHEMICAL FORM, PHYSICAL STATE	AUTHORIZED USE

The expiration date is extended from March 31, 1987 to March 31, 1991.

Condition 2.E. is hereby added to the license.

2. E. Radioactive material for diagnostic purposes listed in Groups I and II may be used by, or under the supervision of Robert C. Osborne, M.D.

Condition 2.B. is revised to read as follows:

2. B. Radioactive material listed in the schedule, with the exception of radioactive material authorized for therapeutic use, shall be used by, or under the supervision of, Lalith S. Wijayasurija, M.D., Vidyahar Akkaraju, M.D. or Errol Anderson, M.D.

JRM:cwr
7h

257312

μCi–Microcurie mCi–Millicurie Ci–Curie

[illegible] DATE November 20, 1987 PAGE 1 OF 1 PAGES

Rey Dominique Lucero Gumboc

204 Woodhill Trial
Augusta, GA 30909
(706) 787-4692 (W) (706) 667-9430 (H)

Commander
DDEAMC
ATTN: MCHF-HP
Ft Gordon, GA 30905-5650

Employment

November 1995 - present

Nuclear Medical Science Officer, Health Physics Office, Dwight D. Eisenhower Army Medical Center
Ft Gordon, GA
Collaborates with the Radiation Protection Officer to execute measures required to ensure compliance and continuity of the DDEAMC Radiation Protection Program. Assists in maintenance of the US Nuclear Regulatory Commission Radioactive By-product Materials License and DA Radioactive Materials Authorization. Performs technical surveys of radioactive materials and radiation producing devices to evaluate potential health hazards and ensure compliance with Army and Federal Regulations. Provides radiation safety training to DDEAMC staff. Provides radiation protection support for in-patient radiotherapies to include dose assessment, patient counseling, staff training, and consultation. Participates in annual Quality Assurance Program review and audit.

ENCLOSURE 2

Education

Graduated June 1991 — **University High School**
Irvine, CA

Graduated Dean's List June 1995 — **United States Military Academy**
West Point, NY

Military Education

July 1993 — **Air Assault School**
25th Infantry Division, West Point, NY

June 1995 — **Master Fitness Trainer**
United States Military Academy Department of Physical Education, West Point, NY

April 1996 — **Medical X-ray Survey Techniques**
US Army Academy of Health Sciences, Ft Sam Houston, TX

May 1996 — **Medical Defense Against Biological Warfare Agents**
US Army Medical Research Institute of Infectious Diseases, Ft Detrick, MD

May 1996 — **Medical Management of Chemical Casualties**
US Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD

July 1996 — **Medical Effects of Nuclear Weapons**
Armed Forces Radiobiology Research Institute, Ft Gordon, GA

August 1996 — **Nuclear Hazards Training**
Defense Special Weapons Agency, Kirtland Air Force Base, NM

August 1996 — **Nuclear Biological Chemical (NBC) Professional Filler System (PROFIS) Officer Training**
US Army Academy of Health Sciences, Ft Sam Houston, TX

Awards received

June 1991 — **National Defense Service Medal**

November 1995 — **Army Service Ribbon**

Security clearance

Secret

FORM NRC-313M-SUPPLEMENT A (8-78) — U.S. NUCLEAR REGULATORY COMMISSION

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE
Gumboc, Rey Dominique L.	

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING: LECTURE/ LABORATORY COURSES (Hours) C	TYPE AND LENGTH OF TRAINING: SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	United States Military Academy, West Point, NY August 1993 - June 1995	20	40
b. RADIATION PROTECTION	United States Military Academy, West Point, NY August 1993 - June 1995	20	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	United States Military Academy, West Point, NY August 1993 - June 1995	20	
d. RADIATION BIOLOGY	United States Military Academy, West Point, NY August 1993 - June 1995	20	
e. RADIOPHARMACEUTICAL CHEMISTRY	Dwight D. Eisenhower Army Medical Center February 1996		32

5. EXPERIENCE WITH RADIATION. *(Actual use of Radioisotopes or Equivalent Experience)*

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Co-57	10 uCi	DDEAMC	Nov 95 - present	
Cs-137	5100 Ci	DDEAMC	Nov 95 - present	
I-125	100 uCi	DDEAMC	Nov 95 - present	
I-131	200 mCi	DDEAMC	Nov 95 - present	
Ga-67	5 mCi	DDEAMC	Nov 95 - present	
Mo-99	3 Ci	DDEAMC	Nov 95 - present	
Tc-99m	3 Ci	DDEAMC	Nov 95 - present	
Tl-201	50 mCi	DDEAMC	Nov 95 - present	

ENCLOSURE 2