



**DEPARTMENT OF THE ARMY**  
**HEADQUARTERS, US ARMY ELECTRONICS RESEARCH**  
**AND DEVELOPMENT COMMAND**  
**2800 POWDER MILL RD., ADELPHI, MD 20783**

40-8194

DRDEL-SS-FM

DEC 28 1982

SUBJECT: Change of Radiation Protection Officer

THRU: Commander  
 US Army Material Development and Readiness Command  
 ATTN: DRCSF-P  
 5001 Eisenhower Ave.  
 Alexandria, VA 22333

TO: Director  
 Nuclear Material Safety and Safeguards  
 ATTN: Radioisotope License Branch  
 US Nuclear Regulatory Commission  
 Washington, DC 20555



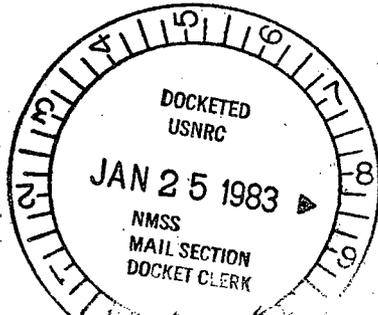
1. Request NRC License # SMB-1183 be amended as follows:
  - a. Delete Mr. Steven A. Horne as Primary Radiation Protection Officer and Mr. Barry J. Silber as Alternate Radiation Protection Officer.
  - b. Add Mr. Richard L. Renne as the Radiation Protection Officer.
2. NRC Form 313M for Mr. Richard L. Renne is enclosed.

FOR THE COMMANDER:

*Ronald W. Kaese*

RONALD W. KAESE  
 Chief, Safety Office  
 ERADCOM

1 Encl



21827  
**FEE EXEMPT**

CC/17

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TRAINING AND EXPERIENCE PAGE 1 of 7 Pages  
AUTHORIZED USER OR RADIATION SAFETY OFFICER

1. NAME OF AUTHORIZED USER OR RADIATION SAFETY OFFICER

RICHARD L. RENNE

2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE N/A

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C
American Registry of Radiologic Technologists	Radiography	November 1969

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	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	Community Coll. of Denver Denver Gen. Hosp. 1968-70	155	320
	Univ. of Minnesota 1974-76	100	10
b. RADIATION PROTECTION	Community Coll. of Denver Denver Gen. Hosp. 1968-70	30	
	Univ. of Minnesota 1974-76	30	10
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	Community Coll. of Denver Denver Gen. Hosp. 1968-70	30	10
	Univ. of Minnesota 1974-76	80	10
d. RADIATION BIOLOGY	Community Coll. of Denver Denver Gen. Hosp. 1968-74	30	
	Univ. of Minnesota	30	
e. RADIOPHARMACEUTICAL CHEMISTRY	Denver General Hospital 1968-70	8	

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Tc 99M	50mCi	Denver Gen. Hospital	1968-70	Medical
Cs 137	100mCi	" "	" "	"
Au 198	200mCi	" "	" "	"
I 131	100mCi	" "	" "	"
In 113	50mCi	" "	" "	"
Co 60	130mCi	" "	" "	"
Ra 226	120mg	" "	" "	"
Cr 51	5mCi	" "	" "	"

TRAINING AND EXPERIENCE PAGE 2 of 7 Pages  
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b. RADIATION PROTECTION			
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Cs 137	1200mCi	Univ. of Nebraska	1973	Calibrations
Tc 99m	500mCi	NRMC Philadelpa, PA	1979-Present	Medical
Cr 51	2mCi	" " "	" "	"
I 123	1mCi	" " "	" "	"
I 125	100mCi	" " "	" "	"
I 131	100mCi	" " "	" "	"
Ga 67	10mCi	" " "	" "	"

TRAINING AND EXPERIENCE PAGE 3 of 7 Pages  
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d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
In 111	5mCi	NRMC Philadelphia, PA	1979-Present	Medical
Co 57	50mCi	" " "	" "	"
Co 58	10mCi	" " "	" "	"
Co 60	7000Ci	" " "	" "	"

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b. RADIATION PROTECTION			
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d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Am 241	35 mCi	Ft. Monmouth NJ ERADCOM	Present	Research
Cs 137	400 Ci	"	"	"
Co 60	100 Ci	"	"	"
H-3	300 Ci	"	"	"
H-3	60 Ci	"	"	"
Po 210	1 Ci	"	"	"
Pm 147	1.2 Ci	"	"	"
Sr 90	5 Ci	"	"	"

TRAINING AND EXPERIENCE PAGE 5 of 7 Pages  
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b. RADIATION PROTECTION			
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d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

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 60	660 Ci	Ft. Monmouth, NJ ERADCOM	Present	Research
Co 60	2048 Ci	"	"	"
Co 60	125000 Ci	"	"	"
U	16 lbs.	"	"	"
Th-232	22 lbs.	"	"	"
Pu-238	400 gms	"	"	"
Ra-Be	1 mCi	"	"	"
Ra-Be	20 mCi	"	"	"

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b. RADIATION PROTECTION			
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

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

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Ra-226	1 mCi	Ft. Monmouth, NJ ERADCOM	Present	Research
Ra-226	1 mCi	"	"	"
Ra-226	10 mCi	"	"	"
Ra-226	70 mCi	"	"	"
Co 57	150 mCi	"	"	"
Po-210	500 mCi	"	"	"
Pu-239	5 mCi	"	"	"
Eu-149	50 mCi	"	"	"

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b. RADIATION PROTECTION			
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d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Pm-147	7.5 mCi	Ft. Monmouth, NJ ERADCOM	Present	Research
Cs-137	1.0 mCi	"	"	"