



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

REPLY TO
ATTENTION OF

AMDEL-SS
AMC Control No. 85-0009D
SUBJECT: Change in Radiation Protection Officers

31 January 1985

#24771

THRU: ~~Commander~~
US Army Materiel Command
ATTN: AMCSE-P (D. Taras)
5001 Eisenhower Avenue
Alexandria, VA 22333-0001

Taras 31 Jan 85

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

1. Request NRC Source Materiel License Nr SMB-1183 be amended as follows:

a. Delete Mr. Scott L. Davis as Primary Radiation Protection Officer, effective 10 February 1985.

b. Add Mr. David W. Griffis as Primary Radiation Protection Officer and Mr. Richard Rast as Alternate Radiation Protection Officer. Resumes for Mr. Griffis and Mr. Rast are attached as Enclosures 1 and 2.

2. In the event of questions, please refer to this document by AMC Control Number 85-009. Also, please acknowledge receipt of DA Form 209, attached Enclosure 3.

FOR THE COMMANDER:

3 Encl
as

Ronald W. Kaese
RONALD W. KAESE
Chief, Safety Office
ERADCOM

17:30 4-33 88.

8707270052 870610
REG1 LIC40
SMB-1183 PDR

Part of
24771

Item 16, Form NRC 313I, Formal Training in Radiation Safety

DAVID W. GRIFFIS

<u>TYPE OF TRAINING</u>	<u>WHERE TRAINED</u>	<u>DATE</u>	<u>DURATION OF TRAINING</u>	<u>ON THE JOB</u>	<u>FORMAL COURSE</u>
a. Principles	Texas A&M University College Sta, TX. Courses leading to- wards a BS & MS in Nuclear Engrng - - Health Physics option	Jan 74 - May 78 (approx 40 semester hours under- graduate and 40 hours graduate.)	4 Yrs	No	Yes
b. Mathematics	San Antonio J.C, San Antonio, TX; Texas Tech U, Lubbock, TX and Texas A&M U Courses leading to- wards AS, BS (Chem), BS (Nuc Engr) and MS degrees. Courses included through advanced Calculus (graduate level) and statistics (graduate level)	Sep 69 - May 78 (approx 25 semester hours)	9 Yrs	No	Yes
c. Measurement	Texas A&M U College Sta, TX Courses leading to- wards BS & MS degrees in Nuclear Engineer- ing - Health Physics option. (Courses included undergraduate level counting laboratory and graduate level OJT/formal course assisting in Health Physics operations at two University research reactors and a research accelerator facility.	Jan 74 - May 78 (approx 15 semester hours)	4 yrs	Yes	Yes

DAVID W. GRIFFIS

<u>TYPE OF TRAINING</u>	<u>WHERE TRAINED</u>	<u>DATE</u>	<u>DURATION OF TRAINING</u>	<u>ON THE JOB</u>	<u>FORMAL COURSE</u>
	Harry Diamond Laboratories Adelphi, MD Assisting the HDL RPO in routine Health Physics operations.	Nov 83 - Jan 84	60 days	Yes	No
	ERADCOM Field Safety Ofc, Ft Monmouth, NJ Observing the ERADCOM-FM RPO carry out routine Health Physics operations.		15 days	Yes	No
d. Biological	San Antonio JC, TX; Texas Tech U; Texas A&M U Courses leading to- wards AS, BS (Chem), & MS degrees Courses included through Histology and Embryology (undergrad level) and Biochemistry and Radiation Biology (graduate level)	Sep 69 - May 78 (approx 35 semester hours)	9 years	No	Yes

Item 17, Form NRC 313I, Experience

DAVID W. GRIFFIS

<u>ISOTOPE</u>	<u>MAXIMUM AMOUNT</u>	<u>WHERE EXPERIENCE GAINED</u>	<u>DURATION OF EXPERIENCE</u>	<u>TYPE OF USE</u>
Atomic Nrs 3 - 83	250 mCi	Harry Diamond Laboratories Adelphi, MD	60 days	Routine Health Physics
Am-241	10 mCi	Evans Area, Ft Monmouth, NJ	15 days	Routine Health Physics
C-14	200 uCi	Harry Diamond Laboratories	60 days	" "
C-36	0.8 uCi	Harry Diamond Laboratories	60 days	" "
Co-57	100 mCi	Evans Area, Ft Monmouth, NJ	15 days	" "
Co-60	189 mCi (sources sealed)	Harry Diamond Laboratories	60 days	" "
Co-60	15000 Ci (pool sources)	Harry Diamond Laboratories	60 days	" "
Cs-137	688 mCi	Harry Diamond Laboratories	60 days	" "
H-3	10 Ci	Evans Area, Ft Monmouth, NJ	15 days	" "
Kr-85	5 mCi	Evans Area, Ft Monmouth, NJ	15 days	" "
Ni-63	10 uCi	Harry Diamond Laboratories	60 days	" "
Np-237	25 gms	Harry Diamond Laboratories	60 days	" "
Pb-210/Bi-210 (RaD&E)	20 uCi	Harry Diamond Laboratories	60 days	" "
Pm-147	15 uCi	Harry Diamond Laboratories	60 days	" "
Po-210	0.5 mCi	Evans Area, Ft Monmouth, NJ	15 days	" "
Pu-238	55 Ci	Evans Area, Ft Monmouth, NJ	15 days	" "
Pu-239	63 gm	Harry Diamond Laboratories	60 days	" "
Pu-Be Sources	unk	Texas A&M University, TX	90 days	" "

DAVID W. GRIFFIS

<u>ISOTOPE</u>	<u>MAXIMUM AMOUNT</u>	<u>WHERE EXPERIENCE GAINED</u>	<u>DURATION OF EXPERIENCE</u>	<u>TYPE OF USE</u>
Ra-226	20 mCi	Evans Area, Ft Monmouth, NJ	15 days	Routine Health Physics
Sr-90	200 mCi	Evans Area, Ft Monmouth, NJ	15 days	" "
Th-232	27 gm	Evans Area, Ft Monmouth, NJ	15 days	" "
Tl-204	100 uCi	Harry Diamond Laboratories	60 days	" "
U-235	22 gm	Harry Diamond Laboratories	60 days	" "
U-238	137 gm	Harry Diamond Laboratories	60 days	" "
U-(depleted)	25 gm	Harry Diamond Laboratories	60 days	" "

In addition, Mr. Griffis has assisted in performing routine health physics surveys for the 11 MeV Aurora Facility, 3 MeV HIFX Facility at Harry Diamond Laboratories, and industrial X-ray units at Harry Diamond Laboratories and the Fort Monmouth Evans area as well as performing routine medical X-ray compliance inspections at a variety of sites between May 1979 and June 1982.

TRAINING AND EXPERIENCE WITH RADIATION AND
RADIOACTIVE MATERIAL

MR RICHARD RAST

EDUCATION BS Degree in Chemistry, Seton Hall University, Patterson, NJ.

EXPERIENCE: Biological and Clinical Chemistry, Serology and Hematology -
2 years, Monmouth Medical Center and Patterson Army Hospital,
Fort Monmouth, NJ - 1950-52.

Health Physics, Research and Development and Calibration of radiation sensitive systems; design, fabrication and encapsulation of isotopes for calibration systems up to 200 curies level - 1952-62

During past 23 years in the Radiac R&D Group, Mr Rast has applied his knowledge of physics, health physics, mathematics, and electronics to the solution of engineering problems and equipment design relating to the radiac development program. Specifically, he has worked on field calibration devices, design of new portable radiac equipment, a Remote Large Area Radiac Training Set and a Recording Radiation Monitor, Tactical Radiac Survey Instrument IM-74B, Alpha Radiac Survey Instrument AN/PDR-56F, and X-Ray Probe DT-590/PDR-56F - 1962-85

Actively participated in Nuclear Weapons tests at Nevada Test Site (NTS); operations "UPSHOT KNOTHOLE," "TEAPOT," and "SMALL BOY." Also operations "CASTLE," "REDWING," and "HARDTACK" at Pacific Proving Ground, Eniwetok, Marshall Island.

MR RICHARD RAST

ACTUAL USE OF RADIOISOTOPES

<u>ISOTOPE</u>	<u>QUANTITY</u>	<u>PLACE</u>	<u>DURATION</u>	<u>TYPE OF USE</u>
^{60}Co	200 Curies	Nevada	6 mos total	Equipment Calibration- Hi-range
^{60}Co	200 Curies	Eniwetok	8 mos total	Dosimetry
^{60}Co	UDM-1 (1-9 curies)	Evans	22 yrs (on an as needed basis)	Calibration-Dosimetry R&D
^{137}Cs	UDM-1A (120 curies)	Evans	20 yrs (on an as needed basis)	Calibration-Dosimetry R&D
^{137}Cs	Mrc 794 (220 curies)	Evans	3 years	Calibration Development
^{90}Sr	Up to 2 Curies	Evans	16 years	Calibration Development
^{60}Co	3500 Curies	Evans	9 years	Equipment Calibration Hi-range Dosimetry R&D

Additional Note:

X-Ray Machine	320 Kv IsoVolt with traceability to the NBS	Evans	23 years	Energy Dependence for for Radiac Instrument
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