

ATTACHMENT

13. Facilities and Equipment (cont'd)

A. Specific Facilities (cont'd)

iii. Airborne Radioactivity Control Room (cont'd)

In this room, two hoods and one glovebox are connected to an absolute filter unit. When both doors to the two hoods are two-thirds closed, the face velocity is greater than 100 fpm at each opening.

Entry into this room is controlled by a cypherlock.

iv. Radioactive Material Use Lab

Attached is a plan view of room U8614 of Building 100 in King of Prussia. The glovebox and HEPA-filtered hood are shown; also, the location of lockable storage cabinet where small quantities of radioactive material are stored is indicated.

v. Health Physics Storage Vault (b)(4) Bldg. 100 *E44*

(b)(4) Attached is a sketch of the health physics storage vault, room (b)(4) Bldg. 100, King of Prussia. The inside dimensions of the room are 6.5 feet in length, 6 feet in width, and 8.25 feet in height. The walls are constructed of double-reinforced poured concrete with the following thicknesses: north, west, and east walls (10 inches) and south wall (13 inches). The steel door in the east wall has an equivalent thickness of approximately 0.125 inch of steel. The poured concrete floor is over earth. The roof, a six-inch-thick poured concrete slab, is covered by a 1.75 feet-thick layer of earth.

The steel door has a keylock.

vi. Trio-Tech Facility - U8301 - Bldg. 100

Attached is a sketch of the facility used for leak-testing electronic components using a Trio-Tech (TM) pressurization system. The sketch is not to scale. The system is described in attachment 8.E.5.

vii. Satellite System Test - M8636 - Bldg. 100

Attached is a sketch of the room used for leak testing of satellite propulsion systems. The test procedure is described in attachment 8.E.5.

Information in this record was deleted
in accordance with the Freedom of Information

Act, exemptions *4, 6*

2007-304

E-9

(b)(4)

ATTACHMENT

January 1984

16. & 17. Formal training and experience in radiation safety.

RESUME - THOMAS P. HANDLEY - MGR. INDUSTRIAL SECURITY, SAFETY & ADMINISTRATIVE SERV.

A. Education

Wentworth Institute
Boston, Massachusetts

(b)(6)

(b)(6)

7. E44

Numerous company sponsored courses in Business Management, Safety for Supervisors, Computer Programming, Radiographic Course, Office of Civil Defense Courses in Radiological Monitoring for Instructors. M/W Radiation Safety Course.

B. Work Experience

1961-1963 Radiation Protection Officer, License #37-2006-05
1963-1965 Instructed Radiological Monitoring for PA Fallout Shelter Management Course at Penn State University
1968-1978 Chairman, Ionizing Radiation Advisory Group, License #37-2006-05 per Valley Forge Space Center Safety Manual Procedure M-6.0

ATTACHMENT

January 1984

16. & 17. Formal training and experience in radiation safety.

RESUME - STEPHEN J. MUCHA, M.D., F.A.C.S., MEDICAL DIRECTOR

A. Education

WV

(b)(6)

B.S. Degree in Biology from Franklin & Marshall College
Lancaster, Pa.

1956 - M.D. Degree from the University of Pennsylvania, School of
Medicine, Philadelphia, Pa.

B. Post Graduate Training

- 1956-1957 Internship rotating at U.S. Naval Hospital,
Philadelphia, Pa.
- 1957-1961 General Surgical Residency, U.S. Naval Hospital,
Philadelphia, Pa.
- 1961-1964 Assistant Chief of Surgery, U.S. Naval Hospital,
Camp Lejeune, N.C.
- 1964-1967 Chief of Surgery, U.S. Naval Hospital, Roosevelt Roads,
Puerto Rico.
- 1967-1971 Assistant Chief of Surgery, U.S. Naval Hospital,
Philadelphia, Pa.
- 1971-1978 Chairman, Department of Surgery, Naval Regional
Medical Center, Philadelphia, Pa.
- 1978- Medical Director, General Electric Company RSO,
Philadelphia, Pa.
Private Practice.

C. Memberships

- 1971-1978 Chairman, Disaster Committee, Naval Regional Medical
Center, Philadelphia, Pa.
- 1971-1978 Member, Radiation Committee, Naval Regional Medical
Center, Philadelphia, Pa.
- 1978-1982 Member, Ionizing Radiation Advisory Committee,
General Electric Company RSO, Philadelphia, Pa.

ATTACHMENT

January 1984

16. & 17. Formal training and experience in radiation safety.

RESUME - JOHN R. McFADDEN - GE/SSD HEALTH PHYSICIST

A. Education

Ph.D. Purdue University, W. Laf., Ind., 1967-1971, Bionucleonics.
M.S. Temple University, Phila., Pa., 1966-1967, Radiological Health.
B.A. St. Joseph's College, Phila., Pa., ^{(b)(6)} Biology

B. Work Experience

7/72 to 10/72: Public Health trainee in radiological health unit of Philadelphia Health Department. Primary responsibilities included inspection of diagnostic x-ray machines and operations by industrial radiographers.
11/72 to 12/73: Health physicist with Nuclear Radiation Consultants, New Haven, Conn. Consultation in health/medical physics provided to hospitals in Conn. and Mass.
1/74 to 6/82: Health physicist for General Electric Company - RESD.
6/82 to present: Health physicist for General Electric Company - SSD.

C. Experience with Radiation Isotope

Isotope	Maximum Amount	Employer	Duration	Type of Use
Co-60	5000 Ci	N. R. Consultants	1 year	Radiation Therapy
P-32	0.02 "	"	1 "	"
Ra-226	0.1 "	"	1 "	"
Au-198	0.002 "	"	1 "	Nuclear Medicine
Se-75	" "	"	1 "	"
Hg-197	" "	"	1 "	"
I-131	0.001 "	"	1 "	"
Tc-99m	0.05 "	"	1 "	"
I-125	0.02 "	"	1 "	In Vitro Research
Depleted U	50 lbs.	"	1 "	Shielding
C-14	0.001 Ci	Purdue University	2 "	In Vivo Research
Any accelerator produced radionuclide with atomic no. 3-83 inclusive	10 "	GE/RESD	4 "	Instrument calibration and research
Ra-226	0.1 Ci	GE/RESD	4 "	Vacuum determination and fire detection
Any by-product material between at. nos. 3 and 83 inclusive	60 Ci	"	4 "	Research and Development (10 CFR 30)
H-3	100 Ci	"	4 "	"
Any by-product material	1 "	"	4 "	Activated electronic components
Ni-63	0.024 "	"	2 "	GC detector cells
Natural or depleted U	1500 lbs.	"	2 "	Solid metal alloys and powders-R & D
Natural Th	40 "	"	2 "	Powders and metal alloys-R & D

D. Certification in Comprehensive Health Physics by HPS-1981

General Electric Co. - SSD
Renewal Application-037-02006-05
Termination/Transfer Application-
037-02006-06

ATTACHMENT

January 1984

16. & 17. Formal training and experience in radiation safety.

Resume Alfred W. Kobylinski GE/SSD Industrial Hygienist

A. Education

MS Occupational Health (Industrial Hygiene)
Drexel University, Philadelphia, PA 1980

BS Biology, Pennsylvania State University
University Park, PA (b)(6) 640

Also attended several professional development courses dealing with radiation safety presented by the American Industrial Hygiene Association and other professional organizations.

B. Work Experience

1974-76 Toxicology Technician
Ayerst Laboratories, Animal Health Division
Chazy, NY 12921

Assisted in the operation of diagnostic x-ray equipment used for the examination of laboratory animals.

1976-78 Research Technician
Physiology Department
Thomas Jefferson University
Philadelphia, PA

Performed cardiovascular physiology studies utilizing radioactive tracer microspheres labelled with ^{86}Sr , ^{147}Ce and ^{125}I . I was responsible for: Safe handling and use of microspheres, conducting surveys to determine radiation levels in lab area, and for the determination of and safe disposal of all contaminated materials.

12/79-present Industrial Hygienist
General Electric Company
Space Systems Division
King of Prussia, PA 19406

Under the direction of the Space Systems Division Ionizing Radiation Advisory Group, I have functioned as Radiation Safety Officer for the divisions 3 NRC Licenses.