GENERAL ELECTRIC

SPACE DIVISION

GENERAL ELECTRIC COMPANY . . . . . VALLEY FORGE SPACE CENTER
(MAIL: P. O. BOX 8555, PHILADELPHIA, PENNSYLVANIA 19101), Phone (215) 962-2000

14 February 1973

Mr. Robert E. Brinkman
U. S. Atomic Energy Commission
Materials Branch
Division of Materials Licensing
Washington, D. C. 20545

Reference: Licenses Nos. 37-02006-05, SMB-1005
and SNM 1199

Dear Mr. Brinkman:

Effective 5 February 1973, Richard G. Oesterling, Health Physicist, has been appointed Radiation Safety Officer for activities conducted by the Space Division under the referenced licenses.

Mr. Oesterling's radioactive materials experience (resume) is attached.

Please amend these licenses accordingly and direct correspondence to Mr. Oesterling's attention -- Room M1020 - Building 100.

Sincerely,

T. P. Handley

T. P. Handley, Chairman
Ionizing Radiation Advisory Group

/atv

cc: RG Oesterling

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RADIOACTIVE MATERIALS EXPERIENCE --

RICHARD G. OESTERLING, HEALTH PHYSICIST

EDUCATION

B. S. (General Studies), Eastern Oregon College, 1962

Numerous Company-sponsored courses in manufacturing management, Fortran programming, criticality control, noise control and nuclear criticality safety. Health Physics Society sponsored courses in certification preparation. Office of Civil Defense courses in radiological monitoring for instructors and industrial civil defense management.

EXPERIENCE

Certified in Health Physics by American Board of Health Physics, 1970

1963 to 1965 — Engineer - Radiation Monitoring, Redox Facility, Hanford
Responsible for providing health physics advice and assistance to the operating components of a nuclear fuel reprocessing facility and associated analytical laboratory, a kilocurie research laboratory, a decontamination facility for large radioactive equipment, a uranium oxide calcination facility, high-level waste storage facilities and radioactive waste burial sites. Participated directly in decontamination and recovery operations following fire in a plutonium concentration facility.

1965 to 1966 — Supervisor - Radiation Monitoring, Redox Facility, Hanford
Directed a staff of 14 health physics technicians in performing radiation and contamination surveys and effluent monitoring for the facilities listed under the previous position. Served as technical liaison with other Hanford components, particularly instrument development group. Provided direct health physics consultation to the operating components of the above listed groups and a plutonium metal fabrication facility.

1966 to 1968 — Engineer - Nuclear Safety Technology, N-Reactor, Hanford
Responsible for (1) auditing the radiation safety performance of the operating components of a large nuclear power and production reactor and a uranium fuel fabrication facility; (2) providing technical health physics support for these components; (3) serving as technical liaison with groups contracted to perform studies of site geology, hydrology and micrometeorology and studies of fuel failure modes; (4) performing or directing investigations of actual or postulated releases of radioactive materials or chemicals to the environment; (5) performing radiation shielding anaylses; and (6) participating directly in assorted projects such as decontamination of reactor piping and heat exchangers, effluent monitoring and containing an oil spill to the adjacent river.

Radioactive Materi ; Experience — Richard G. Oesterling

1968 to 1969 — Engineer - Nuclear Safety, Vallecitos Nuclear Center
(1) Supervised a staff of six (6) at a test reactor; (2) provided health physics support to operating components; (3) performed neutron and gamma shielding analyses; (4) directed the environmental monitoring program; (5) participated in safety reviews and criticality analyses.

1969 to 1973 — Manager - Plant Safety, Midwest Fuel Recovery Plant
Responsible for developing and administrating the radiation and industrial safety programs for a new nuclear fuel reprocessing plant. Specific areas included: (1) emergency plan, (2) environmental monitoring, (3) effluent monitoring,(4) personnel training, including training of health physics technicians, (5) procurement of instrumentation and equipment and equipment design and (7) supervision of a staff of six (6).

Types of Training	Where trained	Duration of training	On the Job?	Formal Course?
Principles & Practices of Radiation Protection	Eastern Oregon College General Electric Co.	8 years	Yes	Yes
Radioactivity Measurement Standardization & Monitoring Techniques & Instruments	Eastern Oregon College General Electric Co.	8 years	Yes	Yes
Mathematics & Calculations Basic to the use & Measurement of Radioactivity	Eastern Oregon College General Electric Co.	8 years	Yes	Yes
Biological Effects of Radiation	Eastern Oregon College General Electric Co.	8 years	Yes	Yes

EXPERIENCE WITH RADIATION

Isotope	Max. Amount	Location	Duration	Type of Use
Mixed fission products	megacuries	Redox, N-Reactor Vallecitos, MFRP	8 years	Reprocessing, research and in reactor fuel
Plutonium	100 kilograms	Redox facility & Vallecitos	4 years	Reprocessing, research

EXPERIENCE WITH RADIATION - Continued

Isotope	Max. Amount	Location	Duration	Type of Use
Uranium unenriched	metric tons	Redox facility & Midwest Fuel Recovery Plant	4 years	Calcination, MFRP cold runs
Polonium -210	100 curies	Redox facility	3 months	Recovery research
Promethium isotopes	100 curies	Redox facility	6 months	Separations research
Cobalt - 60	kilocuries	N-Reactor & Vallecitos	3 years	Source productio activation produc
Tritium	megacuries	N-Reactor	1 1/2 yrs.	Production
Activation products	curies	N-Reactor Vallecitos	3 years	Reactor coolant
Uranium, slightly enriched	metric tons	N-Reactor	1 1/2 yrs.	Fuel fabrication
Mixed fission products	10 curies	N-Reactor	1 1/2 yrs.	Fuel failure research
Radioactive noblegases	1 curie	Vallecitos	3 months	Calibration
Cobalt - 60	30 millicuries	Washington State & Illinois State	4 years	Civil Defense instruction
Various	generally licensed	Eastern Oregon College	6 months	Education
Radium	1 milligram	Eastern Oregon College	3 months	Education
Plutonium-beryllium	10 curies	Vallecitos MFRP	2 1/2 yrs.	Neutron source
Americium-beryllium-curium	100 curies	Vallecitos	6 months	Neutron source