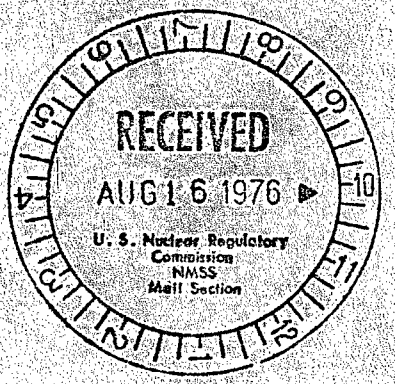
40-8158

DRCSF-P/76-0074

13 August 1976

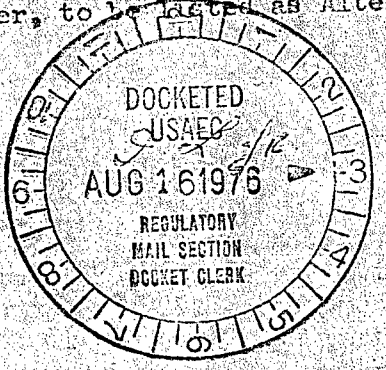
REGULATORY FILE CY



Director
Division of Fuel Cycle and Material Safety
US Nuclear Regulatory Commission
ATTN: Radioisotopes Licensing Branch
Washington, DC 20555

Gentlemen:

Forwarded is a request from US Army Electronics Command, Fort Monmouth, New Jersey, to list Mr. Steven A. Horne as Radiation Protection Officer and Mr. James P. Weeks, who is currently listed as Radiation Protection Officer, to be listed as Alternate on the following licenses:



29-01022-08

29-01022-09

29-01022-10

SUB 1150 40-8158

SNM 1327 70-1355

Mr. Horne's qualifications are attached in resume form (Incl 1).

Sincerely,

WALTER C. QUEEN
Chief
Safety Office

1 Incl
as

Cy Furn:
HQDA (DASG-HCH-E) WASH DC 20310
Dir, DARCOM Field Safety Activity, Charlestown, IN 47111

378

F/8

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY ELECTRONICS COMMAND
FORT MONMOUTH, NEW JERSEY 07703

DRSEL-SF-H

4 August 1976

SUBJECT: Amendment to NRC Licenses and DA Authorizations

Commander
US Army Materiel Development
and Readiness Command
ATTN: DRCSF-P
5001 Eisenhower Avenue
Alexandria, Virginia 22333

1. Reference is made to the following:

a. NRC Licenses:

29-01022-08
29-01022-09
29-01022-11
SUB 1150
SNM 1327

b. DA Authorizations:

A29-10-03
A29-10-06
A29-10-07
A29-10-08
A29-10-09
A29-10-10
A29-10-12

2. It is requested that Mr. Steven A. Horne be listed as the Radiation Protection Officer (RPO) and Mr. James P. Weeks currently listed as the interim RPO, be listed as the alternate RPO for all referenced NRC Licenses and DA Authorizations as cited in paragraph 1 above. Mr. Horne's qualifications are attached in resume form (Incl 1).

Strengthen America's Peace Power
—Buy U. S. Savings Bonds

Steven A. Horne, Health Physicist, US Army Electronics Command, Fort Monmouth, New Jersey

a. Education:

(1) 1964 - AAS Nucleonics, Old Dominion University, Norfolk, Virginia.

(2) 1975 - BSE Nuclear Science & Engineering, Catholic University of America, Washington, DC.

(3) 1975 - 3 semester hours graduate work in Nuclear Science and Engineering, Catholic University of America, Washington, DC.

b. Radiation Experience:

(1) 1964-1965 - Virginia Associated Research Center, NASA, Langley Station, Virginia, Twelve months of training, which include the use of such items as Van-De-Graft Accelerators, Neutron Generator, Dynamitron Accelerator, Linear Electron Accelerator, and a Synchrocyclotron Accelerator. Radioactive sources used include 100 mCi ^{60}Co, 10 mCi ^{241}Am, and micro quantity check sources. The above mentioned include all aspects of Health Physics.

(2) 1965-1966 - E. R. Squibb, New Brunswick, New Jersey. The production and manufacturing of radio-pharmaceuticals and Health Physics. This includes the use of such radioactive material as ^{198}Au, ^{57}Co, ^{60}Co, ^{51}Cr, ^{59}Fe, ^{3}HTO, ^{197}Hg, ^{203}Hg, ^{125}I, ^{131}I, ^{192}Ir, ^{85}Kr, ^{22}Na, ^{32}P, ^{75}Se, ^{85}Sr, ^{99}Tc and ^{199}Te.

(3) 1967-1968 - Nuclear Divison of Flow Corporation, Fort Belvoir, Virginia. Two months of formal training which includes radiation safety, radiation detection instrumentation, isotopic handling equipment, and pertinent Federal regulations. Experimental programs were performed by the use of radioactive sources ranging from 0.1 to 1200 Ci of ^{60}Co to determine the nuclear shielding effectiveness of real and ideal structures.

(4) 1968-1976 - US Army Mobility Equipment Research and Development Command, Fort Belvoir, Virginia. As health physicist responsible for the accomplishment of the USAMERADCOM and USANVL Radiation Protection Program. Performed research studies basic and applied on complete projects or on major phases of long and/or short term projects in the field of health physics.

(5) 1976-Present - US Army Electronics Command, Fort Monmouth, New Jersey. As health physicist responsible for the accomplishment of the Electronics Command radioactive commodity program. Responsibility includes development, initiates and administering programs to assure life cycle management control of numerous radioactive commodities.

c. Radiation training:

(1) 1961-1975 - 56 semester hours in formal courses pertaining to radiation, including College Physics, Environmental Aspects of Nuclear Power Plant Management, Environmental Radioactivity, Nucleonic Fundamentals, Nuclear Properties and Interactions, Nuclear Physics, Nublear Radiation Detection, Nuclear Reactor Physics, Radiation Biology, Radioisotope Techniques, and Radiological Physics.

(2) August 1969 - Radiological Safety Course pertaining to Nuclear Density Instrumentation. Seman Nuclear Corporation, Milwaukee, Wisconsin.

(3) September 1969 - 80 hours Occupational Radiation Protection Course 212 covering principles and practices of radiation protection, evaluation of external and internal exposure to radionuclides and methods for protection against these hazards. Public Health Service, Las Vegas, Nevada.

(4) November 1969 - 40 hours Fundamentals of Non-Ionizing Radiation Protection Course 264, consisted of technical principles essential to the control of non-ionizing radiation. Also included were concepts and techniques for minimizing exposure to personnel operating lasers and microwave generators and established protection standards. Public Health Service, Rockville, Maryland.

(5) June 1970 - 40 hours, DARCOM Field Safety Activity Laser Safety Course, covered laser theory, laser systems, effects on skin and internal organs, ocular effects, threshold levels for MRD safe exposure criteria, measurement of laser radiation, hazard evaluation of military laser installations, secondary hazard evaluation, medical surveillance, and survey methods and evaluation. University of Cincinnati, Cincinnati, Ohio.

(6) October 1970 - 80 hours Radionuclide Analysis by Gamma Spectroscopy Course 208 covering principles and practices of qualitative and quantitative analysis of environmental samples by gamma spectroscopy. Public Health Service, Winchester, Massachusetts.

(7) November 1971 - 80 hours Radiation Guides and Dose Assessment Course 272, consisted of radiation protection guides, internal dose calculations, and comparison of dosimetry data with appropriate guides for radiation protection. Environmental Protection Agency, Las Vegas, Nevada.