VETERANS ADMINISTRATION
HOSPITAL
4150 CLEMENT STREET
SAN FRANCISCO, CALIF. 94121

3302
ml

August 21, 1978

IN REPLY REFER TO: Lic. 04-00421-05
Exp. 4/30/78
Control # 93567

United States Nuclear Regulatory Commission
Attn: Leo Wade, Jr., Ph.D.
Radioisotopes Licensing Branch
Division of Fuel Cycle and Material Safety
Washington, D.C. 20555

Dear Dr. Wade:

As of July 17, 1978, I assumed the position of Radiation Safety Officer for this institution. I have been thoroughly trained for this capacity and am currently administering the Radiation Safety Program according to the procedures delineated in our license application. I hope that my enclosed profile will be satisfactory and that there will be no delay in the approving of our license renewal.

Please inform me of our current status. Thank you for your prompt attention to this matter.

Sincerely,

CHRISTOPHER J. JANG
Radiation Safety Officer

CJJ:rl

Enclosure

3302

CHRISTOPHER J. JANG, B.A.

Specialties:

Health Physics
Radiation Biology
Environmental Aspects of Nuclear Power Technology

Present Titles:

Radiation Safety Officer
V.A. Hospital, San Francisco, Ca

Graduate Student
University of California at Berkeley
and Lawrence Berkeley Lab
Master of Bioradiology Program

Training and Experience in Radioisotopes:

V.A. Hospital July 1978 -- 88 hours Radiation Safety Program Training. Supervised 35 laboratories and H^3, C^{14}, S^{35}, I^{125}, I^{131}, Ni^{63}, P^{32}, Fe^{59}, Na^{22}, K^{42}, Ci^{36}, Cr^{51}, Br^{82}, Xe^{133}, Am^{241} radioisotopes.

Asst. Health Physicist -- 1000 hours.
Nuclear Reactor - U.C. Berkeley
Triga III Facility
January 1978 - July 1978
Monitored and Worked with the following radioactive effluents: H^3, Co^{58}, Co^{60}, Kr^{85}, Sr^{89}, Sr^{90}, I^{131}, Xe^{131}, Xe^{133}, Cs^{134}, Cs^{137}, and Ba^{140} including computerization of data from stack argon gas monitor. Used air sampler, solid scintillation detectors, automatic sample changers, TLD dosimeters, Multi-channel Analyzers, and GMs. Calibrated Survey meters.

Undergraduate Training -
B.A. Medical Biophysics Curriculum
Donner Laboratory - U.C. Berkeley
Received B.A. August 1977
X-Ray survival of Diploid and Haploid yeast cells
Autoradiography with ^3H
Pulse height analysis of Cr^{51}, Co^{61}, Cs^{137}, Mu^{54}
X-Ray induced mutation of Drosophila
Fractionated - exposed cell survival
Medical physics 101A-B Radioisotopes in Biological Research, Radiobiology

Graduate Training

Master of Bioradiology Program
Donner Lab U.C. Berkeley and Lawrence Berkeley Lab.
September 1977 to Current
Nuclear Reactor theory and the associated health physics involved
From Nuclear Engineering 153 and working at Triga III Research Reactor, became familiar with NRC regulations and Title 10 CFR.

Graduate Courses

Medical Physics 211 Radiation Biology
Medical Physics 212 Radiation Mutagenesis
Medical Physics 213 Mammalian Radiation Biology
Medical Physics 214 Radiological Physics
Also graduate research seminars

Currently doing part-time research at V.A. Hospital, San Francisco in collaboration with Victor Perez-Mendez, Ph.D. and Ralph R. Cavalieri, M.D
Project: Whole Body Profile Scanner (Diagnostic Electronics Corp. Model PS-1) and Picker Nuclear Spectron 100 Multi-channel Analyzer to be interfaced with a PDP-11 computer. Whole body counter is nanocurie sensitive and some of our ultimate objectives include: 1) implementing the whole body scanner into a regular diagnostic medical program (for example using it to follow the course of a thyroid cancer), and 2) use in bioassay program for personnel working with internally hazardous radioisotopes.

Publications:

LBL - Donner Lab papers:

1. Jang, C. Radiation and Chemical Mutagenasis and their relation to sister chromatid exchange 1978

2. Jang, C. Heavy Ion Microscopy at LBL 1978

3. Jang, C. Effects of Radiation on the Developing Mammalian Embryo with Emphasis on Tritium and the Female Oocyte 1977