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**RADIATION  
STERILIZERS  
INCORPORATED**

October 28, 1983

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Dr. Joseph C. Wang  
Materials Licensing Branch  
Division of Fuel and Material Safety  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Reference: Control No. 15759

Dear Joe:

Thank you for your efforts in dealing with my license amendments, and setting up the November 21, 1983 meeting. I look forward to meeting with you and your co-workers to discuss licensing requirements.

As I mentioned to you, I have hired Mr. Barry Fairand to be the plant manager of the Columbus facility. Unquestionably he is fully qualified from a radiation safety standpoint to handle this job as you can see from his experience profile. Please include this change in my amendment and remove Tom Mates' name as acting manager.

I subscribe to the belief that a qualified person with one month's on-the-job training is preferable to an un-qualified person with three month's training. Also related experience certainly must have some credit attached to it which would decrease the on-the-job training requirement. We can discuss these points in November.

Please keep in mind our scheduled loading date of late November, and be assured that RSI will cooperate with you in every way to stay on this schedule. It would be difficult to change this schedule since we have worked hard with AECL to establish it.

If you have any questions at all on my submission, please call me so that I can give them my immediate response.

Thanks again.

Sincerely,

*Allan Chin*

Allan Chin  
President

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Enclosure

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BARRY FAIRAND  
EXPERIENCE PROFILE

FORMAL TRAINING

Mr. Fairand received several years training in the use of radioactive materials while a member of the professional staff at Battelle Memorial Institute in Columbus, Ohio. This training was required as part of his activities at the critical assembly facility, nuclear research reactor, hot cell facility and plutonium fabrication plant. Training was given by the health physics staff and supervisory personnel at the respective operations. Instruction included: use-operation-calibration of active and passive dosimetry systems, i.e., ionization chambers, film badges, neutron counters and foil activation packets, which were used for personnel and facility evaluation of radiation environments and exposures; evaluation of radioactive source strengths and activation of materials from neutron exposure; radiation hazards/shielding requirements; emergency evacuation and decontamination procedures; and impact of radiation on biological materials. In addition Mr. Fairand received formal instruction in atomic, nuclear and modern physics as part of the requirements for a PhD in physics.

EXPERIENCE

While employed at Battelle's nuclear research facility, Mr. Fairand was responsible for reactor core designs and implementation of prototype configurations. These activities required handling of large quantities of highly enriched uranium, criticality calculation, moderator-shielding requirements and monitoring radiation environments. He was the supervisor of Battelle's 2MW---swimming pool nuclear research reactor. In this position, he was responsible for all aspects of plant operations. This included control and operation of the reactor, monitoring of radiation environments and personal exposures, hazards evaluation and supervision of project experiments, loading of new fuel elements and unloading of spent fuel elements for transportation and disposal. These activities required working with source activities up to and exceeding megacurie levels. Radioactive materials of concern included fission products and numerous neutron activated isotopes generated in metal and nonmetal materials.

Mr. Fairand worked with the radiation effects information center at Battelle in the analysis, compilation and reporting of most types of dosimetry systems. He is a former member of the ASTM subcommittee on dosimetry. He has been on RSI's payroll since October 17, 1983, and has been receiving continual training at RSI's Chicago and Los Angeles facilities.