



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

September 9, 2005

Docket No. 03029879
Control No. 137295

License No. 29-28005-01

James Matey, Ph.D.
Radiation Safety Officer
The Sarnoff Corporation
CN 5300
Princeton, NJ 08543-5300

SUBJECT: THE SARNOFF CORPORATION, REQUEST FOR ADDITIONAL
INFORMATION CONCERNING APPLICATION FOR RENEWAL OF LICENSE,
CONTROL NO. 137295

Dear Dr. Matey:

This is in reference to your application dated June 24, 2005 requesting to renew Nuclear Regulatory Commission License No. 29-28005-01. In order to continue our review, we need the following additional information:

1. Block 3 of the Application (NRC Form 313) states that the licensed material will be used or possessed at the address of CN5300. The address of licensed material usage or storage must be a physical location. Please state the physical location address of the location of use or storage.
2. On page 2 of the renewal application, you state that the iron-55 source is Isotope Products Model XRF Series. Currently, the license specifies that the iron-55 source is Isotope Products Model XFB Series. Please verify the proper model number or discuss the reason for the change.
3. In your application, you did not describe a required training program for radiation workers and ancillary personnel (maintenance, security, etc.). You quoted 10 CFR 19.12 which does not require training unless the individual is likely to receive over 100 mrem. 10 CFR 19.12(b) also states that when determining those individuals subject to the 10 CFR 19.12 training requirements, consideration must be given during normal and **abnormal** situations involving exposure to radiation or radioactive material during the **life** of the licensed facility.

The guidance in NUREG-1556 Volume 7 states before beginning work with licensed material, most individuals must receive radiation safety training commensurate with their assigned duties and specific to the licensee's radiation safety program. The guidance also recommends the use of Radiation Safety Topics as outlined in Appendix J to NUREG-1556 Volume 7. Many of these training topics are in addition to the requirement as written in 10 CFR 19.12. Even for those personnel who were expected to receive above 100 mrem, your program did not address certain areas in Appendix J of NUREG-1556, Volume 7 like regulatory requirement, license specific program elements, survey program, waste handling, and instrumentation. Please resubmit your training program addressing the above considerations. If you determine that 10 CFR 19.12 training will still not be performed then give the basis for not receiving over 100 mrem in normal and abnormal operations.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, industrial, and academic uses of nuclear material**; then **toolkit index page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 137295. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5308.

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

Original signed by Todd J. Jackson, CHP

Todd J. Jackson, CHP
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

cc:
Abhik Huq, Director Law & Exports

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SISP Review Complete: DRL 1

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