



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

January 17, 2006

Docket No. 03037113  
Control No. 138168

License No. 29-31119-01

Hussein M. Abdel-Dayem, M.D.  
Medical Director  
New Jersey Institute of Radiology  
71 Hoover Drive  
Cresskill, NJ 07626

SUBJECT: NEW JERSEY INSTITUTE OF RADIOLOGY, REQUEST FOR ADDITIONAL  
INFORMATION CONCERNING APPLICATION FOR NEW LICENSE,  
CONTROL NO. 138168

Dear Dr. Abdel-Dayem:

This is in reference to your application dated December 21, 2005 applying for a Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

1. Cobalt 57, Fluorine 18, Strontium 82, Strontium 85, Rubidium 82, Germanium 68, and Gallium 68 produced in a cyclotron are not currently being regulated by the NRC and are not subject to licensing by the NRC. Therefore, you may procure and use it without amendment to your NRC material license. However, you should contact your State regulatory authorities to determine the State licensing or registration requirements for use of this radionuclide.
2. You have requested Dr. Hussein Abdel-Dayem to be your Radiation Safety Officer and stated that he is qualified under Sub-part J. Sub-part J may no longer be used for qualifications on applications filed after October 24, 2005. In support of Radiation Safety Officer qualifications, please provide a written attestation, signed by a preceptor Radiation Safety Officer, that the individual has satisfactorily completed the requirements in paragraph 10 CFR 35.50(e) and 10 CFR 35.50(c)(2), and has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety Officer for medical use licensee. Please refer to the NRC website for the latest revision of 10 CFR 35.50 as the regulation changed on January 19, 2006.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://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. 138168. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5303.

H. Abdel-Dayem  
New Jersey Institute of Radiology

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If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Thomas K. Thompson***

Thomas K. Thompson  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:  
Adel Mustafa, Ph.D.

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**SISP Review Complete: DLawyer**

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