



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

August 11, 2010

Docket No. 03037760  
Control No. 144723

License No. 52-13598-04

Mr. Jaime F. Maestre  
Administrator  
Hospital Ramón E. Betances  
Centro Médico de Mayaguez  
410 Road #2  
Mayaguez, PR 00680-1522

SUBJECT: HOSPITAL RAMÓN E. BETANCES, REQUEST FOR ADDITIONAL  
INFORMATION CONCERNING APPLICATION FOR AMENDMENT TO  
LICENSE, CONTROL NO. 144723

Dear Mr. Maestre:

This is in reference to your letter dated May 28, 2010, requesting to amend Nuclear Regulatory Commission License No. 52-13598-04. In order to continue our review, we need the following additional information:

1. Please provide a description of the instrumentation that will be used to perform required radiation surveys and state that "We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used."
2. Confirm that equipment used to measure dosages will be calibrated in accordance with nationally recognized standards or the manufacturer's instructions.
3. Confirm that you have developed and will implement and maintain procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.
4. Confirm that you have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 20.1101.
5. You have requested that Mr. Carmelo Pérez Rosario be named Radiation Safety Officer (RSO) on your license. Since he is an outside consultant\contractor, in support of this request, please address the following:
  - a. Describe the control over the radiation safety program that will be delegated so that the consultant-RSO will be able to exercise authority over authorized users when confronted with radiation safety problems that require implementation of corrective actions.

- b. Describe the relationship that will exist between the consultant-RSO and your institutional management regarding expenditure of funds to facilitate the objectives of your radiation safety program and related regulatory requirements.
  - c. Identify other commitments of the consultant-RSO for other NRC licensed facilities, along with a description of how the consultant-RSO will allocate time to permit the performance of the duties of the RSO as described in the regulations. State the consultant-RSO's minimum amount of on-site time (hours per week).
  - d. Appoint an in-house representative who will serve as the point of contact during the RSO's absence. This person may be allowed to assist the consultant RSO with limited authority.
  - e. Describe the overall availability of the consultant-RSO to respond to questions or operational issues that arise during the conduct of your radiation safety program and related regulatory requirements. Specify the maximum amount of time it will take the RSO to arrive at the facility in the event of an emergency that requires his presence.
6. Your letter requests that Mr. Pedro Montes García be named on your license as an alternate Radiation Safety Officer (RSO). The NRC does not recognize alternate or assistant RSOs. The individual listed on an NRC license as the RSO is the individual responsible for overseeing the radiation safety program. However, the RSO may delegate certain tasks to other qualified individuals. Mr. Montes may fulfill our request specified in 5.d above. The RSO must confirm that those delegated tasks were performed as required and in compliance with NRC regulations and your NRC license.
7. Your letter requests that Indium-111, Gallium-67, Thallium-201, and Iodine-131 be added to your license. Those additions are not necessary since the mentioned isotopes fall under 10 CFR 35.100, 200 and 300. Your letter also requests the addition of Cobalt-57 in the form of Sealed Source. That addition is also not necessary since Cobalt-57 sealed sources fall under 10 CFR 35.65. Also, since Iodine-131 falls under 10 CFR 35.200 and 300, please confirm that the desired possession limit for 10 CFR 35.300 materials is 0.5 curies, not 0.3 curies as stated in your letter.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material; then Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 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. 144723. If you have any technical questions regarding this deficiency letter, please call me at (404) 997-4734.

J. Maestre

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If we do not receive a reply from you on or before August 25, 2010, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Héctor Bermúdez***

Héctor Bermúdez  
Senior Health Physicist  
Medical Branch  
Division of Nuclear Materials Safety

cc:

Pedro J. Montes García, Radiation Safety Officer

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**SUNSI Review Complete:** HBermúdez

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| DATE   | 8/11/2010    |   |         |  |         |  |  |  |

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