

May 25, 2005

K-8
MS-16

Docket No.03003521
Control No.136711

License No. 52-10270-01

Sandra Gabriel
Senior Health Physicist
Medical Branch
Division of Nuclear Material
Region I 475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

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REGION I
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SUBJECT: ADDITIONAL INFORMATION CONCERNING APPLICATION FOR RENEWAL OF LICENSE, CONTROL NO. 136711

Dear Miss Gabriel:

This is in reference to your letter dated May 13, 2005 requesting additional information. We are answering the request information by items.

1. Please provide the street address for the Southern Surgicenter Corporation. What is the distance from the hospital to the Surgicenter? Will brachytherapy sources for use at the Surgicenter be delivered to the hospital Nuclear Medicine Department, as described in Attachment C to your renewal application?

**Southern Surgicenter Corporation
Edificio Parra 2225 Ponce By Pass, Suite 201
Ponce Puerto Rico 00731-7779.**

The Southern Surgicenter Corporation is located under Hospital Damas facilities connected by corridor. The distance between both institutions is sixty feet.

The brachytherapy sources for use at the Surgicenter are delivered to the Nuclear Medicine Department, as described in Attachment C of our renewal application.

136711
NMSS/RGNI MATERIALS-002

Letter ADDITIONAL INFORMATION CONCERNING APPLICATION FOR RENEWAL OF LICENSE, CONTROL NO. 136711

2. Your current license limits your possession of byproduct material permitted by 10 CFR 35.300 to 1.5 curies of iodine-131. Your renewal application requested to continue this limit. Our current practice is to set a maximum possession limit for all of 35.300, including iodine-131. Do you wish to request a maximum possession limit of 1.5 curies for all byproduct material permitted by 35.300?

Yes, please set a maximum possession limit for all of 35.300, including iodine-131.

3. Your current license authorizes use of Amersham Oncoseed Model 6711 brachytherapy sources (iodine-125) with a maximum possession limit of 3.5 curies for byproduct material permitted by 10 CFR 35.400. Your renewal application requested authorization for 2 curies each of iodine-125 and palladium-103 brachytherapy sources. Please note that currently-manufactured palladium-103 sources are cyclotron-produced and not licensed by NRC, therefore they will not be authorized on this license. Is 2 curies a sufficient maximum possession limit for iodine-125 brachytherapy sources?

It is necessary for you to provide a complete listing of all NRC-licensed brachytherapy sources that you may wish to use. We will continue to list Amersham Oncoseed Model 6711 sources, however we will update the listing to "MediPhysics, Inc. Model 6711 (manufactured by Medi-Physics, Inc. or Amersham Health)" to match the current listing in the Sealed Source and Device Registry.

Please specify the manufacturer and model number for any additional brachytherapy sources you may wish to use.

Please change the brachytherapy sources (iodine- 125) maximum possession limit to 3.5 curies for byproduct material permitted by 10 CFR 35.400.

Any additional brachytherapy sources the hospital will not use.

4. Your current license lists three authorized users who were not listed in your renewal application. Please confirm that it is no longer necessary to list on your license José O. Morales, M.D., Santiago N. Sallaberry, M.D., and José N. Correa, M.D.

Yes, please delete José O. Morales, M.D., Santiago N. Sallaberry, M.D. and José N. Correa as authorized users of our License.

ADDITIONAL INFORMATION CONCERNING APPLICATION FOR RENEWAL OF LICENSE,
CONTROL NO. 136711

5. Item 9, page C-13 of your renewal application listed the model numbers of your radiation monitoring instruments but does not specify the types of detectors used. It appears that the Victoreen 290 may be a scaler, the Victoreen 491 may be a geiger-mueller probe, and the Victoreen 450P may be an ionization chamber survey instrument. Please confirm this information. What type of instrument do you use to survey for stray iodine-125 brachytherapy sources used for prostate implants? This instrument should be equipped with a thin sodium iodide crystal probe to maximize detection efficiency for low energy brachytherapy sources.

The hospital has a Ludlum model 14C equipped with a thin sodium iodine crystal probe with efficiency for low energy (0.1mR/hr 1000mR/hr) brachytherapy sources.

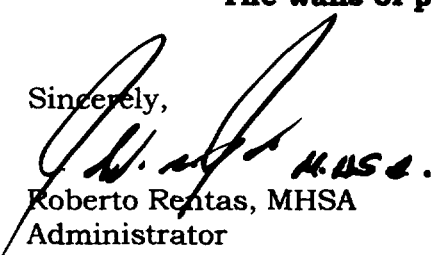
Our Victoreen 290 is equipped with a thin end-window according with appendix K (NUREG-1556 Vol 9).

6. Do you perform any inpatient treatments under 10 CFR 35.300 or 35.400 for patients who cannot be released under the provisions of 10 CFR 35.75? If so, provide a description of the inpatient rooms, including any shielding. Confirm that you will provide a private room and private bath for any inpatients receiving iodine-131 treatments.

The hospital has available private rooms with private sanitary for patients who cannot be released under the provisions of 10 CFR 35.75.

The walls of private rooms are in concrete - armed of eight inch wide.

Sincerely,


Roberto Rentas, MHSA
Administrator
Hospital Damas
2213 Ponce by Pass
Ponce Puerto Rico, 00717-1318

cp/dil