



UPMC Braddock

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A hospital of  
University of Pittsburgh  
Medical Center

August 30, 2005

2005 SEP -6 PM 1:02

400 Holland Avenue  
Braddock, PA 15104  
Sandra Gabriel, Senior Health Physicist  
United States Nuclear Regulatory Commission  
Region 1  
475 Allendale Road  
King of Prussia, PA 19406-1415

MS 16

Q-8

Dear Ms Gabriel:

**RE:** NRC application deficiency letter  
License No. 37-06185-01  
Docket No. 03003066  
Control No. 137413

This is written in response to your letter dated August 17, 2005 requesting additional information to process our renewal application of UPMC Braddock's license. Responses are as follows:

**Question 1**

Please change the license name to UPMC Braddock. This is solely a name change and does not represent a change in ownership, management or control of the facility.

**Question 2**

Applied Health Physics, Inc (licensed by USNRC and PA DEP) calibrates UPMC Braddock survey Meters annually. Our latest calibrations were performed on 10/4/04 for meter SN#2227 and 5/31/05 for meter SN#2307M. 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.

**Question 3**

The Capintec CRC-15R is used to measure all dosages. Our Radiation Physicist using NBS traceable standards calibrates it annually.

**Question 4**

Non-occupational employees (housekeeping, maintenance) who may work in the Nuclear Medicine area have been educated as to location of radiation hazards within the Nuclear Medicine department. They have been instructed that all radioactive sources/doses will be well shielded and located in the "Hot Lab" whenever they are not in an authorized user's possession. They are further instructed not to enter the "Hot Lab" under any circumstance. Daily and weekly surveys are performed as well as weekly wipe tests of the department to assure exposures meet ALARA standards.

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NMSS/RGN MATERIALS-002



Results of these surveys have demonstrated that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits identified in 10CFR part 20.

**Question 5**

The Nuclear Medicine department maintains and adheres to written procedures requiring area surveys to be performed each day. In addition, weekly wipes are also performed as well as surveys in areas adjacent to the Nuclear Medicine Department. These safeguards are in place to evaluate the magnitude and extent of radioactive materials and the potential for radiological hazards. There are no therapeutic doses given at this facility, specifically, I-131 is not used here. The Nuclear Medicine Quality Coordinator and the RSO to assure ALARA principles review wipe tests and surveys and methods are followed as defined.

**Question 6**

UPMC Braddock's Radiation Safety Plan is implemented, and maintained to assure that exposure to radioactivity complies with ALARA standards for all occupational, non-occupational personnel and the general public. The operations at this facility conform to the doses listed in 20.1301. I-131 is not used at this facility.

**Question 7**

Written procedures for response to spills of licensed materials have been adopted, implemented, and maintained. The basis of this plan is to contain the spill, evacuate the area and notify the RSO. Cleanup will follow in such a way as to conform to the ALARA principle.

**Question 8**

Written procedures for waste disposal are implemented, and maintained. All unused radioactive doses are sent back to the radiopharmacy. All other waste is surveyed for residual activity after storage for a minimum of ten half-lives. When counts are below background, then waste is disposed with the regular biohazardous waste.

Please do not hesitate to call with any additional requests/concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Sevco", followed by a horizontal line.

Mark Sevco  
President

cc: James Manning, MD, RSO