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## State of New Jersey

Department of Environmental Protection

Richard J. Codey  
*Acting Governor*

Bradley M. Campbell  
Commissioner

Division of Environmental Safety & Health  
Radiation Protection & Release Prevention Element  
Bureau of Environmental Radiation  
Radioactive Materials Section  
PO Box 415  
Trenton, NJ 08625-0415  
Phone (609)-984-5462  
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July 18, 2005

Mitchell Karmel, M.D.  
Lacey Diagnostic Imaging Center, LLC  
833 Lacey Road  
Forked River, NJ 08731

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7/27/05

Dear Dr. Karmel:

**SUBJECT: Inspection Report**

This letter is in reference to the inspection conducted on July 7, 2005 by James McCullough of the Department of Environmental Protection's Bureau of Environmental Radiation of activities authorized by New Jersey State Radioactive Materials License **NJSL-20830/01** and to the discussion of the inspection findings with Ms. Kathy Ann Martin at the conclusion of the inspection.

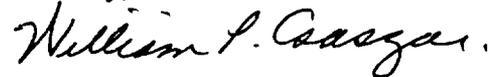
The inspection was an examination of activities conducted under your license as they relate to radiation safety and compliance with NJSA Title 26:2D, the Radiation Protection Act, NJAC 7:28, the Radiation Protection Code and to conditions of your State Radioactive Materials License. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel and measurements and observations made by the inspector.

During the inspection, no items of non-compliance regarding the use of New Jersey licensed radioactive materials were disclosed. However, activities involving radioactive material not licensed by the State of New Jersey appeared not to be in full compliance with your facility's Radiation Safety Program.

Specifically, a review of dose calibrator records indicated that the most recent linearity checks did not cover the entire range of activity normally assayed in a prepared radiopharmaceutical kit. It was noted that your program includes ordering both unit doses and a daily shipment of bulk technetium (Tc-99m) with activities up to 100 mCi. According to statements in your radioactive materials application dated September 20, 2004, the linearity test should be performed using a vial or syringe of whose activity is at least as large as the "largest activity normally assayed in the dose calibrator. A properly functioning dose calibrator is important, especially when drawing doses from bulk technetium (Tc-99m). However, no violation will be issued due to the fact that no State-regulated material is utilized outside of the range covered by your linearity tests.

No reply to this report is required. A copy of this letter is being forwarded to the United States Nuclear Regulatory Commission (NRC). If you should have any questions concerning this inspection or any related matter, please contact this office at (609) 984-5462.

Sincerely,



William Csaszar, License Administrator  
Radioactive Materials Section

C: NRC Region I