



**David C. Pratt Cancer Center**  
Radiation Safety  
607 S. New Ballas Rd.  
St. Louis, MO 63141  
www.mercy.net

Mr. Dennis O'Dowd  
Nuclear Materials Licensing Branch  
Region III, U.S.N.R.C.  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

April 10, 2013

Re: Control Number 580322, license No. 24-00794-03

Mr. O'Dowd:

The materials to be used in the nuclear cardiac facility which will be located at the Smizer Mill address will indeed be those in 10 CFR 35.100 and 35.200, for localization and imaging studies only.

As for the amount of depleted uranium to be used as shielding at the 615 South New Ballas address, item 6G of the license has a limit of 2000 kg currently listed. It can currently be used as described in Item 10E of the license conditions at the Clarkson-Clayton facility. I believe 2000 kg will be adequate for our uses at both addresses. Item 9G lists the use as "Shielding in a linear accelerator" This needs to be changed to "Shielding in a linear accelerator, Tc<sup>99m</sup> generator or any storage or shipping container", which is what was submitted as part of the license renewal documentation, but the parts for the generator and containers were deleted in the license. Item 10A of the license conditions needs to have item 6G added to the list of materials for use at the 615 S.New Ballas street address.

In summary, I am requesting to use depleted uranium as shielding in a Technetium-99m generator and storage/shipping containers as well as in a linear accelerator. I am requesting that the material be used at the Clarkson -Clayton facility as described in 10E, for the linear accelerator and at the 615 South New Ballas address for Technetium 99m generators and storage/shipping containers.

If you have any other questions, please contact me at your convenience.

Respectfully,

A handwritten signature in black ink that reads "Robert F. Turco".

Robert F. Turco, Ph.D.,

# Mercy

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Sender's Name: Robert F. Turco  
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Comments:

Information concerning Control # 580322  
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