



P.O. Box 977  
Bristol, CT 06011-0977  
P 860-585-3000  
F 860-585-3301  
<http://www.bristolhospital.org>

Kurt A. Barwis, FACHE  
President & Chief Executive Officer

August 14, 2009

6-8

Mr. Hector Bermudez  
Nuclear Materials Safety Section D  
Nuclear Regulatory Commission  
Fax no.: 610-337-5269

REFERENCE License No.: 06-02057-01  
Control No.: 143888

03001249

Dear Mr. Bermudez:

In response to your question concerning item 9 of our request (i.e. Appendix U of NRC Nureg-1556, Vol. o, Rev 2 ... does not specify release conditions for Cs-131):

We will utilize the same release criteria found in the St. Mary's License application letter dated October 2, 2006. Namely we have calculated a 10 CFR 35.75 release criterion of 7 mR/hr at 1 m for Cs-131 implants. The basis for this is contained in a paper by Bice (available at [www.cesium131.com-assets-BiceAAPM.pdf](http://www.cesium131.com-assets-BiceAAPM.pdf)), which estimates release criterion of 5.96 mR/hr, to which we have added the probable 10-20% meter over response.

Please let me know if additional information is required.

Thank you for your prompt attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Kurt A. Barwis".

Kurt A. Barwis, FACHE  
President and Chief Executive Officer

143888  
NRC/RGNI MATERIALS-002