



March 16, 2012

Dennis P. O'Dowd  
 Materials Licensing Branch  
 United States Nuclear Regulatory Commission Region III  
 2442 Warrenville Road, Suite 210  
 Lisle, Illinois 60532-4352

**RE:** Poplar Bluff Regional Medical Center, License No.: 24-16652-01  
 Addressing Item 1 from request dated 3/6/2012

Dear Mr. O'Dowd:

Byproduct Materials	Model Number	Chemical/Physical Form	Maximum Activity	Description of use
Iodine-125	I125SL	Brachytherapy Seeds	500 millicuries	Interstitial treatment of cancer
Palladium-103	IAPd-103A	Brachytherapy Seeds	500 millicuries	Interstitial treatment of cancer
<del>Cesium 137</del>	<del>CDCS J2</del>	<del>Sealed Source</del>	<del>70 mgRa-Eq 187 mCi</del>	<del>Treatment of cancer</del> <i>omit according to J. Smith 3/20/12</i>
Byproduct Materials	Model Number	Chemical/Physical Form	Activity per source	Manufacturer
Iodine-125	I125SL	Brachytherapy Seeds	0.5 mCi	Prostaseed
Palladium-103	IAPd-103A	Brachytherapy Seeds	1.5 mCi	North American Scientific
<del>Cesium 137</del>	<del>CDCS J2</del>	<del>Sealed Source</del>	<del>N/A</del>	<del></del> <i>omit? according to J. Smith on 3/20/12</i>

If you have any questions concerning this matter please contact me at 901-262-7117 or msn@earthlink.net.

Sincerely,

*James Smith*

Jim Smith  
 Radiation Safety Officer  
 Poplar Bluff Regional Medical Center