

SPARROW

Thoracic  Cardiovascular Institute

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December 18, 2014

Jennifer Bishop, Health Physicist
US Nuclear Regulatory Commission, Region 111
Division of Nuclear Materials Safety
Material Licensing Branch

Dear Jennifer:

Enclosed is the Sealed Source Leak Test for Thoracic & Cardiovascular
Institute that you requested showing the Ba-133 information.

If you have any additional questions, please do not hesitate to call me
at 989 723-3613 or 989 213-4545.

Sincerely



Raeanne Garlock
Practice Supervisor
TCI Owosso Office
TCI Mt. Pleasant Office

Enclosure (1)

RECEIVED DEC 18 2014



Sealed Source Leak Test

Licensee: Thoracic Cardiovascular Institute-Owosso

Date: 07/22/14

Performed by: James Botti

Nuclide	Type	Calibration	Calibration	Location	M/N	S/N
		Activity	Date			
Cs-137	Vial	196.5 uCi	03/01/06	Hot Lab	RV-137-200U	1145-31-14
Current Activity: 161.9 uCi						
Ba-133	Vial	243.7 uCi	02/01/10	Hot Lab	RV-133-250U	1393-39-1
Current Activity: 181.6 uCi						
Co-57	Flood	10 mCi	01/12/12	Hot Lab	MED3709	1642-132
Current Activity: 0.946 mCi						

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER: _____



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Facsimile Transmittal Sheet

To:	Jennifer	From:	Raeanne Garlock, Practice Supervisor
Fax:	630 515-1078	Direct Phone:	989 723-3613
Phone:		Date:	12/18/14
Re:		Total Number of Pages Including Cover Sheet:	3

Comments:

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