

Sealed Source Leak Test

Licensee: Metro Heart & Vascular

Date: 09/27/12

Performed by: Dawn Edwards

Nuclide	Туре	Calibration Activity	Calibration Date	on Location	M/N	S/N
Cs-137	Vial	240.4 uCi	12/01/09	Hot Lab		1393-13-1
Current Ac	tivity: 225	5.22uCi				
Ba-133	Vial	229.6 uCi	11/01/09	Hot Lab		1393-5-7
Current Ac	tivity: 189	9.61 uCi	The second se	Control of the second s		
Cs-137	Vial	238.4 uCi	12/01/09	Hot Lab		1356-1710
Current Ac	tivity: 223	3.34 uCi				
Ba-133	Vial	235.7 uCi	01/01/10	Hot Lab		1393-5-10
Current Ac	tivity: 19	6.8uCi	and department of the section of the	\$11 magazini		
Co-57	Flood	10 mCi	04/01/11	Hot Lab	SFL24R05710	1499-176
Current Ac	tivity: 2	2.48 mCi				
Co-57	Flood	10 mCi	04/01/11	Hot Lab	NES8510	1499-168
Current Ac	tīvity: 2	2.48mCi				
	Cs-137 Current Ac Ba-133 Current Ac Cs-137 Current Ac Ba-133 Current Ac Co-57 Current Ac Co-57	Cs-137 Vial Current Activity: 225 Ba-133 Vial Current Activity: 185 Cs-137 Vial Current Activity: 223 Ba-133 Vial Current Activity: 15 Co-57 Flood Current Activity: 2 Co-57 Flood	Nuclide Type Activity Cs-137 Vial 240.4 uCi Current Activity: 225.22 uCi Ba-133 Vial 229.6 uCi Current Activity: 189.61 uCi Cs-137 Vial 238.4 uCi Current Activity: 223.34 uCi Ba-133 Vial 235.7 uCi Current Activity: 196.8 uCi Co-57 Flood 10 mCi Current Activity: 2.48 mCi Co-57 Flood 10 mCi	Nuclide Type Activity Date Cs-137 Vial 240.4 uCi 12/01/09 Current Activity: 225.22 uCi 11/01/09 Ba-133 Vial 229.6 uCi 11/01/09 Current Activity: 189.61 uCi 12/01/09 Current Activity: 223.34 uCi 12/01/09 Current Activity: 196.8 uCi 01/01/10 Co-57 Flood 10 mCi 04/01/11 Current Activity: 2.48 mCi 04/01/11	Nuclide Type Activity Date Location Cs-137 Vial 240.4 uCi 12/01/09 Hot Lab Current Activity: 225.22 uCi 11/01/09 Hot Lab Ba-133 Vial 229.6 uCi 11/01/09 Hot Lab Current Activity: 189.61 uCi 12/01/09 Hot Lab Current Activity: 223.34 uCi 12/01/09 Hot Lab Current Activity: 235.7 uCi 01/01/10 Hot Lab Current Activity: 196.8 uCi Co-57 Flood 10 mCi 04/01/11 Hot Lab Current Activity: 2.48 mCi Co-57 Flood 10 mCi 04/01/11 Hot Lab	Nuclide Type Activity Date Location M/N Cs-137 Vial 240.4 uCi 12/01/09 Hot Lab Current Activity: 225.22 uCi 11/01/09 Hot Lab Current Activity: 189.61 uCi 12/01/09 Hot Lab Current Activity: 223.34 uCi 12/01/09 Hot Lab Current Activity: 223.34 uCi 01/01/10 Hot Lab Current Activity: 196.8 uCi 01/01/10 Hot Lab Current Activity: 2.48 mCi 04/01/11 Hot Lab SFL24R05710 Co-57 Flood 10 mCi 04/01/11 Hot Lab NES8510

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

<u>Nuclide</u>	MDA	Background
Cs-137	2.0 x 10 ⁻⁴ uCi	145 counts/1 min
Ba-133	8.8 x 10 ⁻⁵ uCi	204 counts/1 min
Co-57	1.7 x 10 ⁻⁵ uCi	53 counts/1 min

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To: Dennis O'Dowd

Fax:

630-515-1078

From:

Dawn Edwards

RE: Control Number 578116

Amendment to Metro Health Hospital

Here is the most recent leak test. The sources that are circled are the source transferred from the Mid Towne Ave address. Please let me know if you need anything else.

Total pages including cover: 2