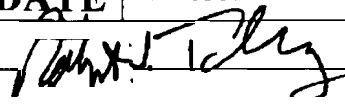


**RJ TOKARZ MEDICAL IMAGING RADIATION SAFETY CORP**  
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29-17475-01  
03012816

<b>TO</b>	Dennis Lawyer	<b>DATE</b>	4/2/2009
<b>FROM</b>	Robert J. Tokarz, Radiation Safety Officer		
<b>RE</b>	URG-RWJ Control 143539		
<b>PAGES</b>	including cover: 2		

All radionuclides, except for **sealed** sources, **used** at 303 George Street, New Brunswick NJ had **half-lives** less than **120 days**.

The sealed source leak test from January, 2009 is attached.

143539  
NMSD/RGM MATERIALS-002

# SEALED SOURCE LEAK TEST

Control 143539

University Radiology Group, PC  
303 George Street  
New Brunswick, NJ 08901

31-Jan-09

SOURCE IDENTIFICATION	SERIAL NO.	GROSS	NET	NET uCi
Co-57 pointer	D8-289	79	10	5.12612E-06
Co-57 sheet	102794	79	10	5.12612E-06
Cs-137 vial	S3560878B-1	7	-1	-3.39199E-06
Co-57 vial	S206077-029	67	-2	-1.02522E-06

## REFERENCE SOURCES

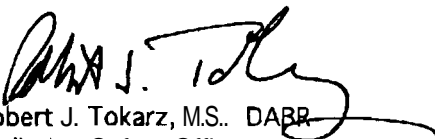
## BACKGROUND

Co-57 T1/2 = 271d; 0.09274 uCi, 7/1/07	69	41109	41040	01-Jul-07	0.02104
Cs-137 T1/2 = 30y; 0.093uCi, 8/1/72	8	11798	11790	01-Aug-72	0.03999
Ba-133 T1/2 = 0.5y; 3uCi, 5/20/70	11	36408	36397	20-May-70	0.20477

All sources were wiped with a cotton-tipped applicator. Wipes were counted in a sodium iodide well-type detector. Ludlum Model 2200 Spectrometer.

MDA 1.1E-17 1.27742E-05 uCi

Prepared by:

  
Robert J. Tokarz, M.S., DABR  
Radiation Safety Officer