



TELECOPY TRANSMITTAL

DATE: 3-30-07

TO: Bill Reichhold Materials Licensing  
US NRC

FAX NUMBER: 630-829-9782

FROM: Patrick Byrne - kjm

RE: St. Joseph Hospital

COMMENTS: Bill,  
Here is a copy of the Leak Test  
that I performed on 12-19-06 of  
the Sealed Sources of St. Joseph  
Hospital - Huntingburg

This transmittal consists of 2 pages (including transmittal cover sheet).  
 Please contact one of our offices if you have any questions or problems with  
 this transmittal.

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**Medical Physics Consultants, Inc**



Licensee: St. Joseph Hospital

Date: 12/19/06

Performed by: Patrick Byrne

Nuclide	Type	Calibration		Location	M/N	S/N
		Activity	Date			
Co-57	Flood	20 mCi	1/25/05	Storage	MED3709	62464
Cs-137	Vial	195.7 uCi	11/1/00	Hot Lab	MED3550	B3044

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: Ludlum 2200 Scaler

<u>Nuclide</u>	<u>MDA</u>	<u>Background</u>
Cs-137	$2.1 \times 10^{-4}$ uCi	45 cpm
Ba-133	$6.0 \times 10^{-5}$ uCi	264 cpm
Co-57	$4.0 \times 10^{-5}$ uCi	307 cpm

**RADIATION SAFETY OFFICER:** \_\_\_\_\_