

MEDICAL PHYSICS OF NORTHWEST ARKANSAS

2500 Manor Drive
Fayetteville, Arkansas 72701

Phone (479)575-9255
Fax (479)575-9255
Email jlwalk@yahoo.com

JAMES L. WALKER, MS

Diplomate, American Board of Health Physics
Diplomate, American Board of Radiology

May 18, 2009

U. S. Nuclear Regulatory Commission
Region III
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

License Number 24-01090-03

Dear Materials Licensing Section:

This is a written request for amendment action to the radioactive materials license of St. John's Regional Medical Center, Joplin, MO. We are requesting the following actions:

1. The following physicians have permanently discontinued duties of an Authorized User under our license:

Mark S. Moore, D.O.
Fernando Jose Ruiz, M.D.
Carlos E. Rivas-Gotz, M.D.
Curtis S. Hammerman, M.D.

Please delete these physicians from our list of Authorized Users.

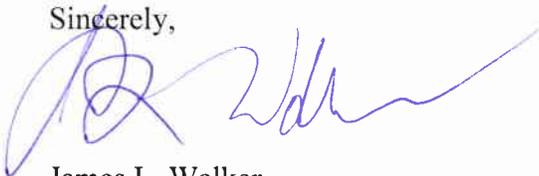
2. We have returned our last set of Gd-153 transmission line sources and have no further planned use of Gd-153 transmission line sources. Enclosed is confirmation that Isotope Products received our Gd-153 line sources. While in use, these sources were leak tested semiannually. There was no history of any leaking source. Enclosed is a copy of the leak tests done on the sources.

Please remove: Item 6. K. (Gadolinium-153); Item 9. K.; in 12. B. under **Material and Use** "and Gadolinium-153 in Vantage devices for medical radiography in humans"; and in Item. 16.C., we think the letter dated November 8, 1999, was the letter requesting authorization for the Gd-153 line sources.

In addition, please evaluate the statement in Item 13. A. "Subitem K," as Subitem K was specific to Gd-153 sealed sources.

If you have any questions regarding this request, please contact me at (417) 625-2488.

Sincerely,



James L. Walker
Radiation Safety Officer

RECEIVED MAY 22 2009

GADOLINIUM-153 TRANSMISSION LINE SOURCE PERFORMANCE EVALUATION SHEET

NUCLIDE: Gd-153
CATALOG NO.: NES8412

QUANTITY: 2
REFERENCE DATE: 1 Oct 05

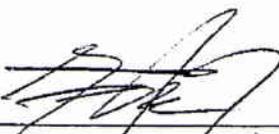
SERIAL NUMBER	ACTIVITY
C8 - 083	250 mCi (9.25 GBq)
C8 - 084	250 mCi (9.25 GBq)

SOURCE EMISSION UNIFORMITY

The gadolinium-153 line source was scanned along its length in 1.0-centimeter segments. The uniformity was determined by taking the emission of the individual segment having the maximum deviation from the mean and dividing by the mean emission of all segments. The uniformity of each source was determined to be less than $\pm 10\%$.

***LEAK TEST INFORMATION IS ON THE REVERSE SIDE**

LAB BOOK-PAGE: 1117 - 64



SIGNATURE | DATE

21-Sep-05

ISO 9001 CERTIFIED

B**RETURN PACKING LIST****FROM:**

Company Name St. John's Regional Medical Center
 Address 2727 McClelland
 City Joplin State MO
 Zip 64804
 Contact Name Beverly Davis
 Phone Number 417-627-8589

SEND TO:

**Isotope Products
Laboratories**

An Eckert & Ziegler Company

1800 North Keystone Street
Burbank, CA 91504

Tel 661-309-1010

Fax 661-257-8303

E-mail: nucmedsales@isotopeproducts.com

RETURN #RA - 105933

STOP: Fill in the return number to the left. This packing list must be affixed to the outside of the package. Each returned source to IPL must be on a one-to-one exchange basis only. For additional returns, please contact IPL customer service for additional cost considerations.

Important: Please complete all requested information below.

Nuclide	Activity	Reference Date	Serial Number	Capsule Description
1) <u>Gd-153</u>	<u>71.64</u> 80.500	<u>1 Oct 05</u>	<u>C8-083</u>	<u>Red in lead housing</u>
2) <u>Gd-153</u>	<u>71.647</u> 80.500	<u>1 Oct 05</u>	<u>C8-084</u>	<u>Red in lead housing</u>
3) _____	_____	_____	_____	_____
4) _____	_____	_____	_____	_____
5) _____	_____	_____	_____	_____

FAX NUMBER:

417-781-7174

NOTE: FAX number must be provided to ensure acknowledgement of return receipt.

This section for IPL Internal use only

Received at IPL By:

Print Name Isidoro Landeros

Date 12 DEC 06

All source(s) received at IPL per packing slip? Yes No

MEDICAL PHYSICS SURVEY SEALED SOURCE LEAK TEST ANALYSIS REPORT

FACILITY: St. John's Regional Medical Center - DEPARTMENT: Nuclear Cardiology
Nuclear Cardiology Lab

LOCATION: Joplin, MO ATTENTION: Jamie Walker, MS, RSO

Analysis of the WIPE used to conduct a leak test on the sealed sources identified below was performed by gas or scintillation detection and reveals removable contamination was less than 0.005 μCi , unless otherwise noted, when compared against NIST traceable standards.

Source: Gd-153, Line Sources, (X2) 250 mCi each, 10/1/05, Isotope Products Labs, Model # NES 8412, S/N C8-083, C8-084.

Date:	12/2/05 TWD	12/2/05 TWD	6/23/06 TWD	12/15/06 TWD
Wipe No.:	Initial leak test	9333	11228	Shipped to IPL for
MDA (μCi):	was done by the	5 E-06	5 E-06	disposal on 12/11/06.
Net CPM:	manufacturer	1	0	Rec'd @ IPL
Net μCi :	on 9/21/05	< MDA	< MDA	on 12/12/06
CPM for 0.005 μCi		7,493	7,493	
Analyst:		AY	AY	

Performed by: Associates in Medical Physics
(AMP)

Under License No.: 34-26645-02

**RADIATION ONCOLOGY
ASSOCIATES, INC.**

Duane E. Myers, M.D.

Jose Pacheco, M.D.

Post Office Box 2787

Joplin, Missouri 64803

U.S. NUCLEAR REGULATORY COMMISSION
REGION III
MATERIALS LICENSING SECTION
2443 WARRENVILLE ROAD
SUITE 210
LISLE, ILLINOIS 60532

PRESORTED
FIRST CLASS



02 1M

0004262089

\$ 00.53⁹

MAY 19 2009

MAILED FROM ZIP CODE 65803

F*KGR11 60532

