



FERRIS STATE UNIVERSITY
COLLEGE OF ALLIED HEALTH SCIENCES

August 9, 2010

Toye L. Simmons
Materials Licensing Branch
Nuclear Regulatory Commission Region III
2443 Warrenville Road Suite 210
Lisle, Illinois 60532-4352

License No. 21-15237-01

Dear Ms. Simmons,

This letter is in response to you requesting additional information concerning adding Sodium-22 and Cobalt-57 to our license.

You had asked me for the model numbers and usage. I contacted the Nuclear Medicine Technology department and this is the response.

Brad,

Each source does not belong to an instrument. These sources are not used for quality assurance/quality control of the instruments. They are used for educational purposes (i.e. to learn gamma spectrums, to identify radionuclides, to learn QC procedures, etc). The instruments they are used on are the CAPTUS 3000, CAPTUS 2000, and Atomlab 950. All of these instruments are well counter/uptake probe systems.

I don't know what else I can add for the NRC. The only sources we have that are specific to an instrument are Cs-137 and Eu-152. These are the "normal" calibration sources for the instruments we use.

Hope this helps.

Sheila

I am re-attaching the activity inventory information requested. This also includes the Form and Manufacturer.

I apologize if I do not understand your request.

Thank you for your attention in this matter

Regards,

200 Ferris Drive
Big Rapids, MI 49307-2740

Phone: (231) 591-2270 or
1-800-462-8553

Web: www.ferris.edu

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Radiation Safety Officer
Ferris State University
200 Ferris Drive
Big Rapids, Michigan 49307-2742

Phone: 231 591 2278
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bm
attachment

Ferris State University
Nuclear Medicine Technology Programs
Big Rapids Campus

Sodium-22 and Cobalt-57 Inventory
As of July 20, 2010

Sodium-22

FSU NMT Inventory Number	Date of Calibration	Activity at Date of Calibration	Form	Serial Number	Manufacturer
19g**	11/23/76	7.9 uCi	Rod	N/A	NEN
65**	1/1/96	1.142 uCi	Rod	A4270	CIS-US
69**	11/1/99	0.9054 uCi	Rod	670-71-1	Isotope Products
118*	2/1/03	0.1022 uCi	Rod	971-44-9	Isotope Products
120*	2/1/03	0.1011 uCi	Rod	971-44-10	Isotope Products

Cobalt-57

FSU NTM Inventory Number	Date of Calibration	Activity at Date of Calibration	Form	Serial Number	Manufacturer
19c**	3/2/77	7.1 uCi	Rod	N/A	NEN
21**	6/28/78	818.0 uCi	Rod	319-195-13	CAPINTEC
37**	12/11/89	8.9 uCi	Rod	NES 137T	DUPONT
41**	5/22/92	7.8 uCi	Rod	N/A	Dupont
63**	11/1/95	1.302 uCi	Rod	A4084	ISOTOPE PRODUCTS
67**	4/1/96	150.0 uCi	Flexible	513-54-1	Isotope Products
68**	2/27/96	130.0 uCi	Penpoint	W0490514	N/A
71**	11/1/99	1.08 uCi	Rod	670-71-3	Isotope Products
111*	2/1/03	0.1032 uCi	Rod	971-44-6	Isotope Products
121*	2/1/03	0.1031 uCi	Rod	971-44-5	isotope Products

*Sources are used for quality control/quality assurance and for educational purposes (i.e. identification of gamma spectrum).

**Sources are not currently used. Stored only.

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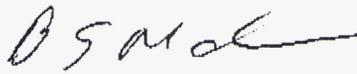
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DATE: August 9, 2010PAGES: 4

PLEASE DELIVER TO:

NAME: Toye Simmons
COMPANY: Nuclear Regulatory Commission
FAX NUMBER: 630 515 1078

FROM:

BRAD McCORMICK, Radiation Safety Officer 
OFFICE: VFS 300
PHONE: (231) 591-2278
FAX: 231 591 3788
E-Mail: mccormib@ferris.edu

MESSAGE:

License # 21-15237-01

As per our conversation I am attaching information requested for NARM materials.

Thank you.