

March 10, 2005

U.S. Nuclear Regulatory Commission
Region I
Nuclear Materials Safety Branch
475 Allendale Road
King of Prussia, PA 19406-1415

03032952

RE: Radioactive Material License #24-04206-15MD (Milford Nuclear Pharmacy)

Please Expedite Licensing Action

Dear License Reviewer:

Please amend the above-referenced radioactive materials license as follows:

- Replace Appendix H of the current license application with the data contained in Attachment A. New, as well as improved existing, unit and bulk dose shielding have been put into service. In addition, we request that future submittals regarding unit and bulk dose shielding be required only if changes to shielding will increase the radiation levels at the surface of the container. All data will be maintained on file and available for inspection.

All primary shields will be shipped in packaging that meets the requirements of Title 49 Code of Federal Regulations.

- Update Appendix G of the current license application with the information provided in Attachment B. In addition, we request that future submittals be limited to changes to labeling that will cause a change to radioactive markings or labeled activity, other than position and size of symbols and wording.

All other items relating to this radioactive material license remain unchanged at this time.

REC'D IN LAT 3/14/2005

136608
NMSS/RGNI MATERIALS-002

Please contact April Chance at (314) 654-7960 if you have any questions and/or require supplemental information regarding this request. Your prompt review and approval of this licensing action is greatly appreciated.

Sincerely,



Kay M. Yoder

Director, Radiation, Environment, Health & Safety – Mallinckrodt Inc.

Attachments

cc: J. Minella, Nuclear Pharmacy Manager (Milford, CT)
R. Hylinski, Radiation Safety Officer (Milford, CT)
A. Chance, Manager, Radiological Affairs (Hazelwood, MO)
J. Schuh, Manager, EHS, Pharmacy Operations (Hazelwood, MO)

**ATTACHMENT A
RADIATION PROFILE DATA**

Nuclide	Maximum Activity per Carrier (mCi)	Carrier	Maximum Radiation Field@ Surface (mR/hr)
Technetium-99m	1000	Syringe	5
Technetium-99m	1500	Vial	2.5
Gallium-67	16	Syringe	65
Gallium-67	30	Vial	20
Thallium-201	9	Syringe	10
Thallium-201	16	Vial	8
Iodine-131	44	Vial	90
Iodine-131	630	Vial	475
Xenon-133	150	Vial	15

ATTACHMENT B SAMPLE LABELS

TC-99M MYOVIEW (TETROFOSMIN) Item: R499AD Lot: 18578	TC-99M MYOVIEW (TETROFOSMIN)	
	Procedure: MYOCARDIAL IMAGING	
	Activity: 25 mCi @ 11:30 4 MAR 2005 FRI	
	Vol: 1.41 ml	Use By: 14:02 4 MAR 2005 FRI
	Conc: 17.7489 mCi / ml	Dispensed: 4 MAR 2005 FRI
	Issued: 4 MAR 2005 FRI	
	CARDIOLOGY ASSOC OF BRIDGEPORT	
	ATTENTION- NUCLEAR MEDICINE 439 MILL HILL AVE BRIDGEPORT, CT 06610	Pt: M.D. USE Weight: _____ Dr: ADOLFO LUCIANO, M.D.
	License: 06-28615-01 PO: _____ NDC: _____	PROCEDURE INSTRUCTIONS Rx: 00230013
	MALLINCKRODT (866) 343-0978 180 PEPE'S FARM ROAD MILFORD, CT 06460 RPH: DAVE L MCLELAND	Price: \$ _____ Mfg: AMERSHAM Mfg State: PA

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MILFORD
(866) 343-0978
Pt: M.D. USE



THE U.S. NUCLEAR REGULATORY COMMISSION HAS
APPROVED DISTRIBUTION OF THIS
RADIOPHARMACEUTICAL TO PERSONS LICENSED TO
USE BY PRODUCT MATERIAL LISTED IN PARAGRAPH
35, 100, 200 & 300 OF 10 CFR PART 35
AND TO PERSONS HOLDING AN EQUIVALENT
LICENSE ISSUED BY AN AGREEMENT STATE.



Example Unit Dose Labels

TC-99M SODIUM PERTECHNETATE Item: R006AD Lot: 16567	TC-99M SODIUM PERTECHNETATE	
	Procedure: FOR RADIOPHARMACEUTICAL USE	
	Activity: 100 mCi @ 12:00 4 MAR 2005 FRI	
	Vol: 0.91 ml Q5 2	Use By: 23:55 4 MAR 2005 FRI
	Conc: Q8 50 mCi / ml	Dispensed: 4 MAR 2005 FRI
	Issued: 4 MAR 2005 FRI	
	SAINT VINCENTS HOSPITAL	
	NUCLEAR MEDICINE 2800 MAIN ST BRIDGEPORT, CT 06606	Pt: M.D. USE Weight: _____ Dr: THOMAS D. OLSAVSKY
	License: 06-00843-03 PO: 659921 NDC: _____	PROCEDURE INSTRUCTIONS Rx: 00230037
	MALLINCKRODT (866) 343-0978 180 PEPE'S FARM ROAD MILFORD, CT 06460 RPH: DAVE L MCLELAND	Price: \$ _____ Mfg: MILFORD Mfg State: CT

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Example Bulk Dose Labels

This is to acknowledge the receipt of your letter/application dated

3/10/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 24-04206-15 M/D
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 136608.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

(FOR LFMS USE)
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

: Program Code: 02500
: Status Code: 0
: Fee Category: 3C 2B
: Exp. Date: 20130331
: Fee Comments: _____
: Decom Fin Assur Req'd: N
: ::::::::::::::::::::::::::::::::::::::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: MALLINCKRODT INC.
Received Date: 20050314
Docket No: 3032952
Control No.: 136608
License No.: 24-04206-15MD
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Signed *Rebecca J. Ford*
Date 3/18/2008

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /_/)

1. Fee Category and Amount: _____

2. Correct Fee Paid. Application may be processed for:

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed _____
Date _____