

MATERIALS LICENSE

Amendment No. 51

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

302554

Licensee		In accordance with letter dated March 31, 1997	
1. Michigan Capital Medical Center		3. License Number 21-04073-01 is amended in its entirety as follows:	
2. 401 Greenlawn Ave. Lansing, MI 48910-2819		4. Expiration Date March 31, 2004	
		5. Docket or Reference No. 030-02037	
6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License	
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed	
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200 (excluding Xenon-133)	B. As needed	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.100.			
B. Medical use described in 10 CFR 35.200 (excluding Xenon-133).			

CONDITIONS

10. Location of Use: Greenlawn Campus
401 W. Greenlawn Ave.
Lansing, MI 48910
- Pennsylvania Campus
2727 S. Pennsylvania Ave.
Lansing, MI 48910
11. Radiation Safety Officer: Samir Parikh, M.D.

120029



COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-04073-01

Docket or Reference Number

030-02037

Amendment No. 51

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials and uses indicated:

Authorized UsersMaterial and Use

- | | |
|-------------------------------|---|
| A. Jerrold M. Weiss, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| B. Bing Tai, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| C. George E. Rhiness, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| D. Hasmukh I. Patel, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| E. Thomas J. Archambeau, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| F. Gary Leago, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| G. George E. Kleiber, D.O. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| H. Donald C. Simon, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| I. Mark W. Cimmerer, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| J. Stanley R. Smith, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| K. Peter Tomko, D.O. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| L. Samir Parikh, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-04073-01

Docket or Reference Number

030-02037

Amendment No. 51

12. (Continued)

Authorized UsersMaterial and Use

- | | |
|-------------------------------|---|
| M. John G. Nadeau, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| N. William B. MacDonald, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| O. Eric D. Lindgren, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |
| P. Smruti Parikh, M.D. | 10 CFR 35.100 and 35.200 (excluding Xenon-133). |

13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Applications dated May 24, 1993 (with attachments, excluding Item 10.14), and September 20, 1994; and
- B. Letters dated November 24, 1993, December 20, 1994, February 3, 1995, February 29, 1996, November 4, 1996, December 2, 1996, March 31, 1997, and May 12, 1997.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 29 1997

By

Loren J. Hunter

Nuclear Materials Licensing Branch, Region III

COPY

(FOR LFMS USE)
INFORMATION FROM LTS

R8

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 02120
Status Code: 0
Fee Category: 7C
Exp. Date: 20040331
Fee Comments: CODE 23
Decom Fin Assur Req'd: N
177 APR 23 PM 1:49

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: MICHIGAN CAPITAL MEDICAL CENTER
Received Date: 970421
Docket No: 3002037
Control No.: 302554
License No.: 21-04073-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 460
Check No.: 3337677

3. COMMENTS

Signed
Date

D. Hersey
4-22-97

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

1. Fee Category and Amount:

7C \$440

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

Amendment
Renewal
License

3. OTHER

Signed
Date

SC
4/28/97

MAY 05 1997

Log	Apr 11 711
Remitter	
Check No.	370464
Amount	(5960) \$700
Fee Category	7C
Type of Fee	Ampl
Date Check Rec'd	4/22/97
Date Completed	4/28/97
By:	SC

Refund
\$20



Michigan Capital
Medical Center

Greenlawn Campus
401 W. Greenlawn Ave.
Lansing, MI 48910-2819
Phone (517) 334-2121

March 31, 1997

United States Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

Reg: License Amendment Request
License # 21-04073-01

Dear Sir:

Michigan Capital Medical Center is requesting the following Amendment to our Material License No 21-04-73-01.

At this time we would like to close Camera Room C on the Greenlawn Campus. Attachment #1 is the close out survey demonstrating no residual radioactive contamination or radioactive material remaining in the area being closed.

The instrumentation listed below was utilized in our close out survey:

Bicron 2000 End Window GM Calibration Date: 11-14-97

Probe - Sodium Iodide 10 cpm/dpm.

Please feel free to contact me at the address and/or phone number listed below if you have any further questions or concerns.

Sincerely,

James L. Meitler, R.T., Manager
MCMC Laboratory/Radiology
405 W. Greenlawn
517-334-2014

enc: Close out survey
Check for Amendment fee.

RECEIVED

APR 21 1997

REGION III

Pm: 4-16-97

VHA Member of Voluntary Hospitals of America, Inc.

MAY 05 1997

312554
APR 21 1997

**MICHIGAN CAPITAL MEDICAL CENTER
GREENLAWN CAMPUS - LICENSE #21-04073-01
CAMERA ROOM C SURVEY MR/HR**

1.	0.01 mr/hr
2.	0.01 mr/hr
3.	0.01 mr/hr
4.	0.01 mr/hr
5.	0.01 mr/hr
6.	0.01 mr/hr
7.	0.01 mr/hr
8.	0.01 mr/hr
9.	0.01 mr/hr
10.	0.01 mr/hr
11.	0.01 mr/hr

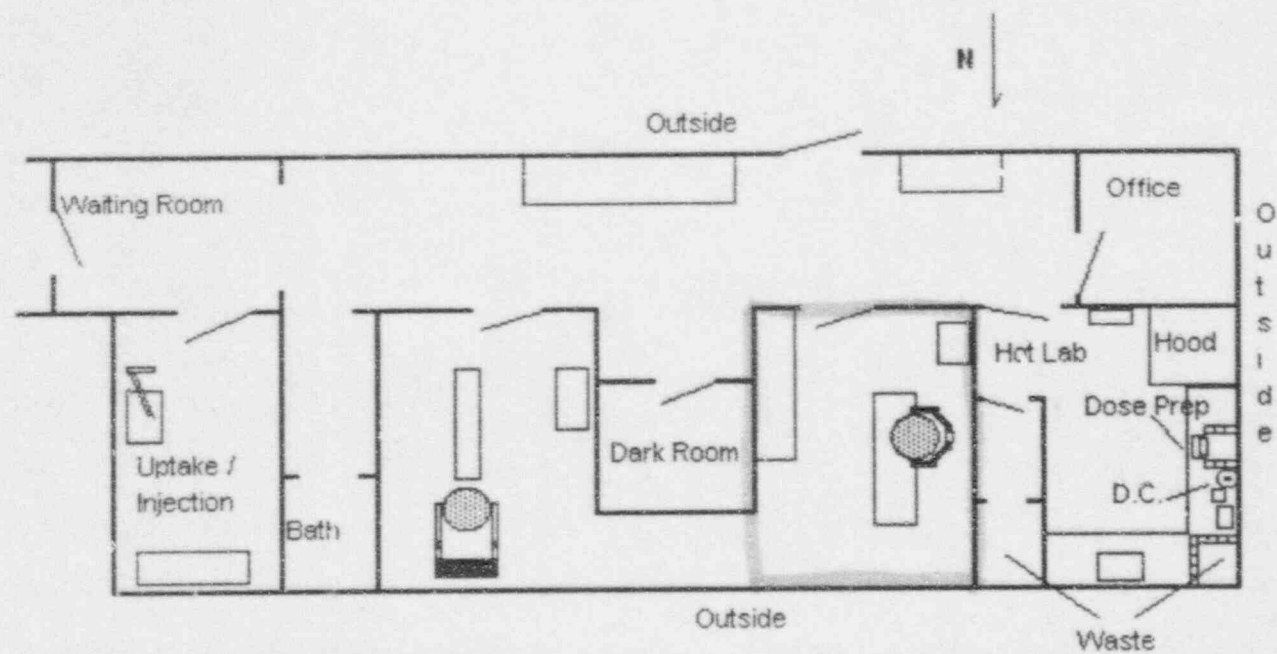
CAMERA ROOM C SURVEY WIPE TEST

	WIPE	BACKGROUND	DPM'S
1.	183	195	0
2.	190	195	0
3.	170	195	0
4.	228	195	330
5.	184	195	0
6.	220	195	250
7.	192	195	0
8.	232	195	370
9.	245	195	440
10.	230	195	425
11.	238	195	430

DPM = Net Counts x 10

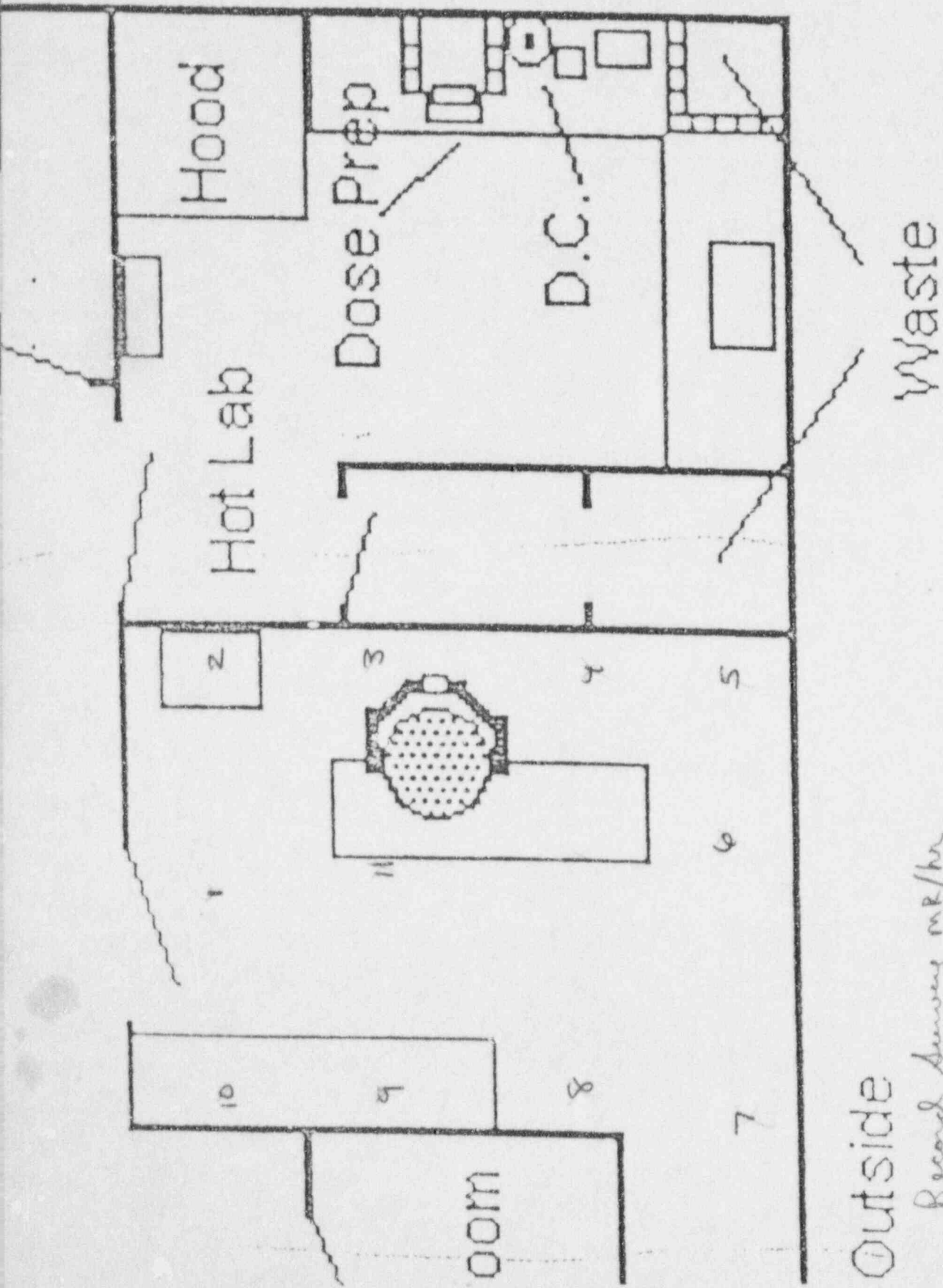
FACILITY DIAGRAM

Item 9.1



Michigan Capital Medical Center
Greenlawn Campus
Nuclear Medicine 1st Floor

t s i d e



Record Survey mR/hr
" Wipe DPM

DIVISION OF ACCOUNTING AND FINANCE REQUEST FOR REFUND TO EMPLOYEE/VENDOR

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS AND/OR SERVICES PROVIDED AND IS DUE A REFUND

EMPLOYEE/VENDOR/PAYEE CODE: _____

NAME: Michigan Capital Medical Center

ADDRESS: Attn: James F. Meitner, Manager

ADDRESS: 401 W. Greenlawn Avenue

CITY: Ann Arbor

STATE: MI

ZIP: 48106-2819

TRANS CODE: PX

TRANS TYPE: FE FUND: X5280 JOB CODE: _____ AMOUNT: \$20⁰⁰

TRANS TYPE: IR FUND: R1435 JOB CODE: INTR AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: ADCH AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: FINE AMOUNT: _____

TOTAL REFUND AMOUNT: \$20⁰⁰

COMMENTS: Lic 21-04073-01/CX 370464/Refund
3/31/97 Refund

(Limit comments to 40 characters, including spaces)

PREPARED BY: Shirley Crutfield

DATE: April 28, 1997

AUTHORIZED BY: Sandra Kimberly

DATE: 4/29/97

ORIGINAL INV. NO: _____

DATE PAID: _____

AMOUNT: _____

REFUND ENTERED INTO COLLECT BY: _____

REFUND DETERMINED BY: _____

DATE: _____

APR 14 1997

TC AMD #440

CK 370464 #460

302554

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION

MAY 29 1997

James L. Meitler, R.T.
Manager Department of Radiology
Michigan Capital Medical Center
Greenlawn Campus
401 Greenlawn Avenue
Lansing, MI 48910-2819

Dear Mr. Meitler:

Enclosed is Amendment No. 51 to your NRC Material License No. 21-04073-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

This amendment authorizes you to release for unrestricted use, Camera Room C. on the Greenlawn Campus, as requested. This authorization is based on the close-out survey data and room diagrams submitted on March 31, 1997 and May 12, 1997.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the mailing address listed on the license changes. (No fee is required if the location of byproduct material remains the same.)

302554

3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
 - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;
 - c. Change Radiation Safety Officers;
 - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC

J. Meitler

-3-

requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

Original Signed By
Loren J. Hueter
Nuclear Materials Licensing Branch

License No. 21-04073-01
Docket No. 030-02037

Enclosure: Amendment No. 51

DOCUMENT NAME: M:\03002037.CL7

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII	<input checked="checked" type="checkbox"/>							
NAME	LJHueter:brt	<i>LJH</i>							
DATE	05/28/97								

OFFICIAL RECORD COPY

CONVERSATION RECORD

TIME

DATE

5-12-97

☐ VISIT☐ CONFERENCE☒ TELEPHONE☐ INCOMING☒ OUTGOING

NAME OF PERSON(S) CONTACTED OR IN CONTACT

ORGANIZATION (OFFICE, DEPT. ETC.)

TELEPHONE NO.

James Meitler, R.T. Mon. Michigan State
Paul Penfield, Office Coord. Medical Center517-
334-2014

SUBJECT

CN 302554

SUMMARY

In Mr. Meitler's absence, Ms. Penfield stated that there is an existing wall with a lockable door separating the camera room they wish to release for unrestricted use from the remaining camera room. She agreed to FAX a revised drawing showing the lockable door & wall and submit a written letter with the revised drawing as additional information to CN 302554.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Loren Hunter

5-12-97

ACTION TAKEN

SIGNATURE

TITLE

DATE



Michigan Capital
Medical Center

Greenlawn Campus
401 W. Greenlawn Ave.
Lansing, MI 48910-2819
Phone (517) 334-2121

May 12, 1997

Mr. Lauren Hunter
U.S. Nuclear Regulatory Commission
Region III
801 Warrenville Road
Lisle, IL 60532-4351

REFERENCE: Control # 302554

Dear Mr. Hunter:

This letter is in response to your phone call of Monday, May 12, 1997, with Gail Penfield, Office Coordinator of Radiology at Michigan Capital Medical Center. I have enclosed as per your request a more accurate drawing of Camera Room C on the Greenlawn Campus. The door indicated has a locking mechanism that can only be opened through Camera Room A. This door is locked and therefore does not allow access into the Nuclear Medicine Camera Room A.

If you have any further questions or concerns please do not hesitate to contact me at 517-334-2010.

Sincerely,



James L. Meitler, R.T., Manager
Department of Radiology

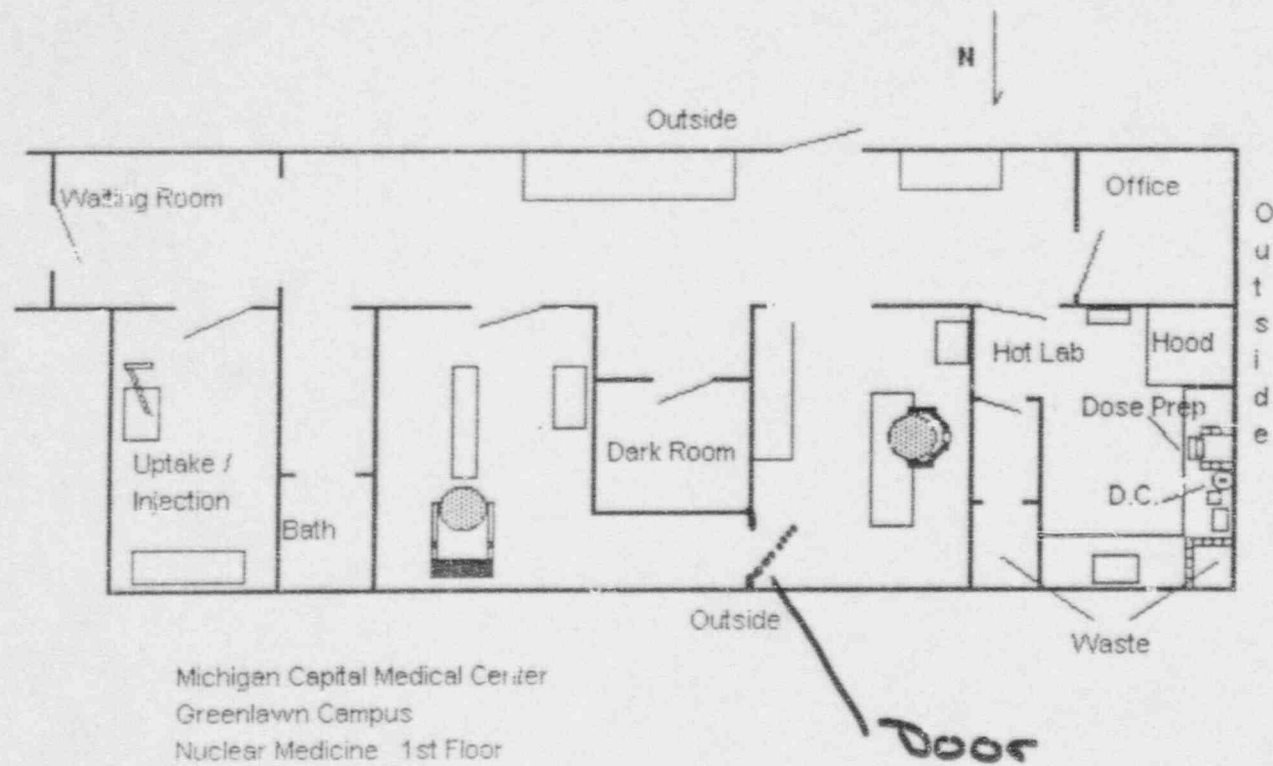
Fax No: 630-515-1259

RECEIVED
MAY 27 1997
REGION III

PM: 5-20-97

FACILITY DIAGRAM

Item 9.1





UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION III
901 WARRENTONVILLE ROAD
LISLE, ILLINOIS 60532-4351

April 24, 1997

Samir Parikh, M.D.
Radiation Safety Officer
Michigan Capital Medical Center
Greenlawn Campus
401 Greenlawn Avenue
Lansing, MI 48910-2819

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE
(Letter Dated 03/31/97)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License ☒ Amendment ☐ Renewal
☐ Termination ☐ Auth User (Amendment not required)
☐ Other _____

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 90 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials licensing Branch at (630) 829-9887. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302554
License No. 21-04073-01