

MATERIALS LICENSE

Amendment No. 31

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.

Licensee

1. Howard University Hospital
2. 2041 Georgia Avenue, N.W.
Washington, D.C. 20060

In accordance with the letter dated
April 9, 1997,

3. License Number 08-03075-07 is amended in
its entirety to read as follows:

4. Expiration Date January 31, 2006

5. Docket or
Reference No. 030-01321

6. Byproduct, Source, and/or
Special Nuclear Material7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This License

- A. Any byproduct material
identified in 10 CFR
35.100
- B. Any byproduct material
identified in 10 CFR
35.200
- C. Any byproduct material
identified in 10 CFR
35.300
- D. Any byproduct material
identified in 10 CFR
35.400
- E. Any byproduct material
identified in 10 CFR
31.11

- A. Any radiopharmaceutical
identified in 10 CFR
35.100
- B. Any radiopharmaceutical
identified in 10 CFR
35.200
- C. Any radiopharmaceutical
identified in 10 CFR
35.300
- D. Any brachytherapy source
identified in 10 CFR
35.400
- E. Prepackaged Kits

- A. As needed
- B. As needed
- C. 1000 millicuries
- D. 3000 millicuries
- E. 3.0 millicuries

9. Authorized use

- A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
- B. Any imaging and localization procedure approved in 10 CFR 35.200.
- C. Any radiopharmaceutical therapy procedure approved in 10 CFR 35.300.
- D. Any brachytherapy procedure approved in 10 CFR 35.400; cesium 137 sources in 35.400 for calibration of licensee's survey meters.
- E. In vitro studies.

CONDITIONS



10. Licensed material may be used only at the licensee's facilities at
2041 Georgia Avenue, N.W., Washington, D.C.
11. The Radiation Safety Officer for this license is Gregory B. Talley.

OFFICIAL RECORD COPY

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PDR ADDCK 03001321
C PDR

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

08-03075-07

Docket or Reference Number

030-01321

Amendment No. 31

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

Willie R. McDaniel, M.D.

35.100; 35.200; 35.300
In vitro studies

Alfred L. Goldson, M.D.

35.300; 35.400

Ebrahim Ashayeri, M.D.

35.300; 35.400

Hasan A. Nabhani, M.D.

35.100; 35.200; 35.300
In vitro studies

Harry C. Press, Jr., M.D.

35.100; 35.200
In vitro studies
Iodine 131 for treatment of hyperthyroidism and
cardiac dysfunction

John A. Weaver, M.D., Ph.D.

35.100; 35.200; 35.300
In vitro studies

Olubunmi K. Abayomi, M.D.

35.300; 35.400

Sudhir K. Suneja, M.D.

35.100; 35.200; 35.300
In vitro studies

Jacqueline Dunmore-Griffith, M.D. 35.300; 35.400

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
14. Notwithstanding the requirements of 10 CFR 35.400(d) and (g), the licensee may use iridium-192 as seeds encased in nylon ribbon and palladium-103 as a sealed source in seeds for topical, interstitial, and intracavitary treatment of cancer. The licensee may deviate from the manufacturer's radiation safety and handling instructions to the extent that the instructions are not applicable to the type of use proposed by the licensee.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

08-03075-07

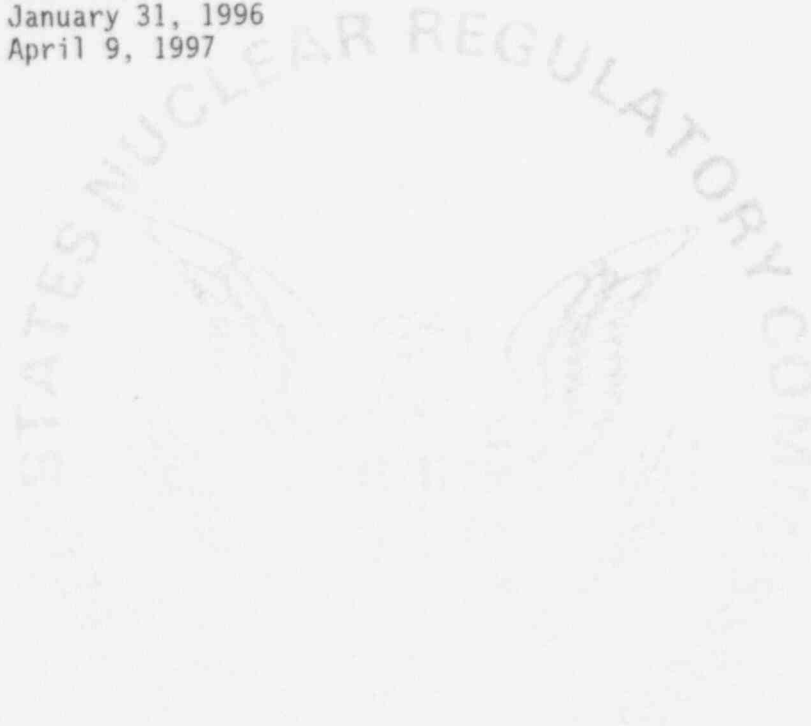
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16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below, except for minor changes in the medical use radiation safety procedures as provided in 10 CFR 35.31. The U.S. 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. Application dated March 31, 1995
- B. Letter dated June 12, 1995
- C. Letter dated January 31, 1996
- D. Letter dated April 9, 1997



For the U.S. Nuclear Regulatory Commission

Original Signed By:
Michelle Beardsley

By

Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

Date JUL 1 - 1997

JUL 1 - 1997

Marlene H. McKetty, Ph.D., Chairperson
Radiation Safety Committee
Howard University
Hospital Tower Building
Suite 6000
Washington, D.C. 20060

Dear Dr. McKetty:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Prior to release of your old laboratory for unrestricted use you should be sure that the facilities meet the criteria in the enclosed "Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material." You should submit a report of the results of the surveys you performed to this office and refer to this letter.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed By:

Michelle R. Beardsley

Division of Nuclear Materials Safety

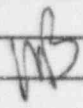
License Nos. 08-03075-07/08-00386-19
Docket Nos. 030-01321/030-11063
Control Nos. 124509/124510

Enclosures:

1. Amendment No. 31
2. Amendment No. 13
3. Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material

DOCUMENT NAME: R:\WPS\MLTR\L0803075.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	Beardsley						
DATE	05/07/97		05/ /97	05/ /97		05/ /97	

OFFICIAL RECORD COPY

HOWARD UNIVERSITY

030-01321

OFFICE OF THE VICE PRESIDENT
FOR HEALTH AFFAIRS
RADIATION SAFETY COMMITTEE

April 9, 1997

KEEP TOGETHER

124509

+

124516

Ms. Michelle R. Beardsley
Nuclear Materials Safety Branch
Division of Radiation Safety and Safeguards
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, Pennsylvania 19404-1415

RE: License No. 08-03075-07
License No. 08-00386-19

Dear Ms. Beardsley:

The Howard University Radiation Safety Committee has reviewed and forwards to you, for your action, this request to amend materials license numbers 08-03075-07 (human use) and 08-00386-19 (broad license). The requested amendment is as follows:

ORelocation of the Radiation Safety Counting Laboratory
from Room B-114 of the Howard University Cancer Center
to Room B-101/Howard University Cancer Center

The supporting documentation is attached and the fee is being processed by our Accounts Payable Section and will be mailed under separate cover. We would appreciate your prompt attention to this amendment request. If you require further information, please call the Radiation Safety Office on 202/806-7216.

Sincerely yours

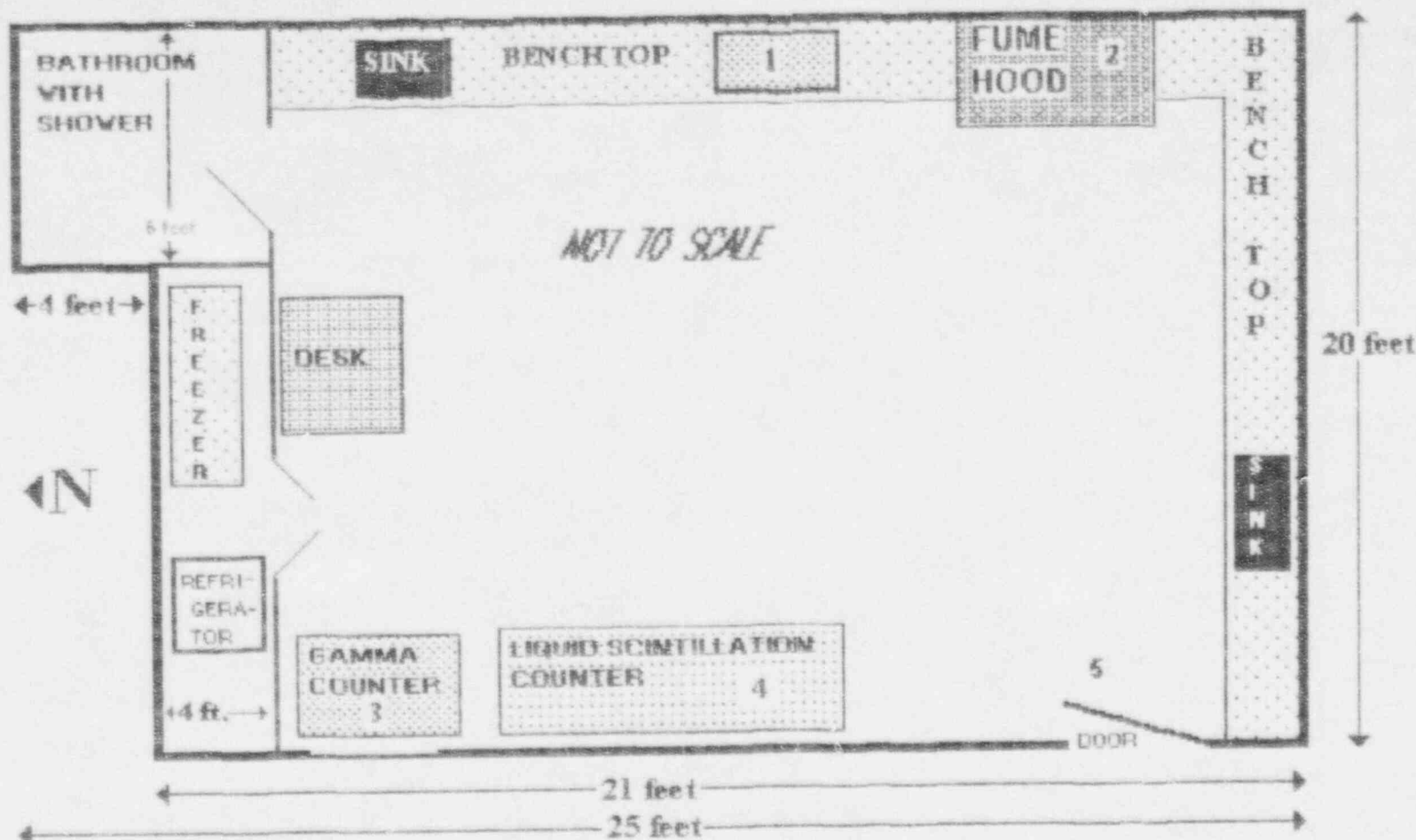
Marlene McKetty

Marlene H. McKetty, Ph.D., Chairperson
Howard University Radiation Safety Committee

dmr
Enclosures



124509



Room B-101 Howard University Cancer Center (Proposed Lay-out)

- | | |
|--|---|
| <p>1. Harshaw, Model TASC-12M Low Background Alpha-Beta Counting System</p> <p>2. Fume Hood, equipped with an inner filtered glove box and air sampling apparatus. THIS HOOD WILL NOT BE USED UNTIL IT IS CONNECTED TO A HEPA FILTER WITH ACTIVATED CARBON AND VENTED DIRECTLY TO THE OUTSIDE. This filter and ventilation system has not been installed. It is anticipated that the installation of this system will be completed within 90 days.</p> | <p>3. Tracor, Gamma Trac II, Gamma Scintillation Counter</p> <p>4. Tracor, Mark III Liquid Scintillation Counter</p> <p>5. Entry Door equipped with dead-bolt lock.</p> |
|--|---|

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-CJ01HOWARD UNIVERSITY HOSPITAL
ATTN: MARLENE H. MCKETTY, PH.D.
CHAIRPERSON
ANNEX II, ROOM 211
WASHINGTON, D.C. 20059

TYPE OF ACTION

- ☐
- NEW LICENSE
-
- ☐
- RENEWAL OF LICENSE
-
- ☒
- AMENDMENT TO LICENSE

REQUESTED DATE

4-9-97

LICENSE NUMBER

08-03075-07

CONTROL NUMBER

124509

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
7C	\$	\$	\$ 440.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(S) DUE	\$	440.00
PAYMENT RECEIVED	\$	0.00
AMOUNT DUE	\$	440.00

☒ Your request was received without the prescribed application fee.☐ We received your Check No. _____ in the amount of \$ _____. Payment of the additional fee noted above is required.☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:☐ We received your Check No. _____ in payment of the fee.☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.☐ Your request was combined, prior to review, with your request, Control No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:☐ INSUFFICIENT FUNDS☐ ACCOUNT CLOSED☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License No. _____ Amendment No. _____, issued on _____, was issued without the required fee being collected. The fee required is noted in Section I of this form.☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

SIGNATURE - LICENSE FEE ANALYST

LFDCB

LFDCB

Distribution:

Region I

Pending

BBrown

LFARB R/F

OC/DAF R/F

OC/DAF S/F (LF-3.2.7)

DATE

5-16-97

BRENDA BROWN 301-415-6055

5/16/97

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 02120
Status Code: 0
Fee Category: 7C 2B
Exp. Date: 20060131
Fee Comments: CODE 23
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: HOWARD UNIVERSITY HOSPITAL
Received Date: 970425
Docket No: 3001321
Control No.: 124509
License No.: 08-03075-07
Action Type: Amendment

2. FEE ATTACHED

Amount: /
Check No.: /

3. COMMENTS

Reference 124510

Signed
Date

Brown, Rebecca J.
5/1/97

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

1. Fee Category and Amount: 7C 2B \$440

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

Amendment _____
Renewal _____
License _____

3. OTHER _____

Signed
Date

1997

Log	<i>May 4</i>
Remitter	
Check No.	<i>4-755202</i>
Amount	<i>\$440</i>
Fee Category	<i>7C 2B</i>
Type of Fee	<i>AMD</i>
Date Completed	<i>6/25/97</i>
By:	<i>BB</i>

(Also see
124510)

1997 MAY -6 AM 10:52