

MATERIALS LICENSE

Amendment No. 41

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 1, Parts 30, 31, 32, 33, 34, 35, 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. Osteopathic Medical Center of Philadelphia
Philadelphia College of
Osteopathic Medicine
2. 4150 City Avenue
Philadelphia, Pennsylvania 19131-1696

In accordance with letter dated
August 3, 1992,

3. License number 37-06855-01 is amended in
its entirety to read as follows:

4. Expiration date September 30, 1993

5. Docket or
Reference No 030-03078

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
included in 10 CFR 35.100

A. Any radiopharmaceutical
included in 10 CFR
35.100

A. As needed

B. Any byproduct material
included in 10 CFR 35.200

B. Any radiopharmaceutical
included in 10 CFR
35.200

B. As needed

C. Any byproduct material
included in 10 CFR 35.300

C. Any radiopharmaceutical
included in 10 CFR
35.300

C. As needed

D. Any product material
included in 10 CFR 35.400

D. Any brachytherapy source
included in 10 CFR
35.400

D. As needed

E. Any byproduct material
listed in Section 31.11(a)
of 10 CFR 31

E. Prepackaged kits

E. 3 millicuries

F. Uranium depleted in
Uranium 235

F. Cadmium plated metal

F. 160 kilograms

G. Hydrogen 3

G. Any

G. 6 millicuries

H. Carbon 14

H. Any

H. 20 millicuries

I. Sulfur 35

I. Any

I. 3 millicuries

J. Chlorine 36

J. Any

J. 1 millicurie

K. Calcium 45

K. Any

K. 1.5 millicuries

L. Iodine 125

L. Any

L. 4 millicuries

M. Phosphorus 32

M. Any

M. 5 millicuries

N. Cadmium 115

N. Any

N. 5 millicuries

O. Cadmium 109

O. Any

O. 2 millicuries

P. Strontium 90

P. Any

P. 0.01 millicuries

9302120261 921027
PDR ADOCK 03003078
C FDR

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MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

37-06855-01

Docket or Reference number

030-03078

Amendment No. 41

(Continued)

9. Authorized use

- A. Any uptake, dilution and excretion procedure approved in 10 CFR 35.100.
- B. Any imaging and localization procedure included in 10 CFR 35.200.
- C. Any radiopharmaceutical therapy procedure included in 10 CFR 35.300.
- D. Any brachytherapy procedure included in 10 CFR 35.400.
- E. In vitro studies.
- F. Shielding in a linear accelerator.
- G. through P. Research and development as defined in 10 CFR 30.4; teaching and training of students.

10. Location of use: 41050-90 City Avenue, Philadelphia, Pennsylvania.

11. Radiation Safety Officer: Phillip Shtasel, D.O.

12. Authorized Users:

Material and Use:

Robert L. Meals, D.O.

35.100; 35.200; 35.400

Iodine 131 as iodide included
treatment of hyperthyroidism
dysfunction

for
diac

Depleted uranium for shielding

Henry J. Helak, D.O.

35.100; 35.200

D. A. DeBias, Ph.D.

Hydrogen 3, Carbon 14, Sulfur 35, Phosphorus 32,
Cadmium 115, Cadmium 109, Chlorine 36,
Strontium 90, Calcium 45, and Iodine 125 for
research

Phillip Shtasel, D.O.

35.100; 35.200; 35.300

In vitro studies

Lewis M. Halin, D.O.

35.100; 35.200; Iodine 131 as iodide included
in 35.300 for treatment of hyperthyroidism and
cardiac dysfunction

In vitro studies

Janet Parker, M.D.

35.400; Depleted uranium for shielding
In vitro studies

13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 10 CFR 30.35(d), 10 CFR 40.36(b) or 10 CFR 70.25(d).

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SUPPLEMENTARY SHEET

License number

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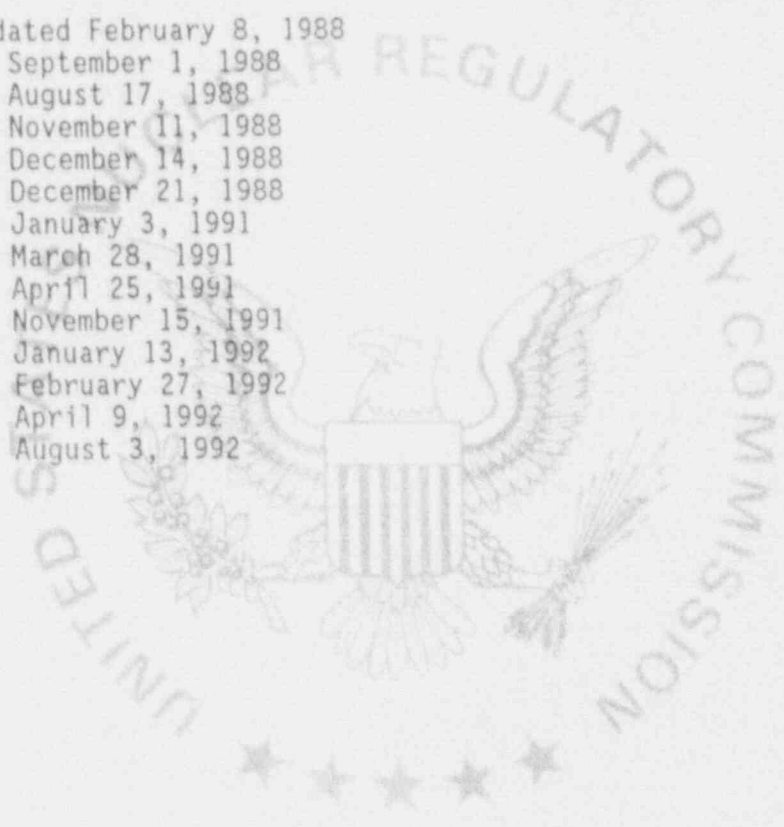
Amendment No. 41

(Continued)

CONDITIONS

14. 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. 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. Application dated February 8, 1988
- B. Letter dated September 1, 1988
- C. Letter dated August 17, 1988
- D. Letter dated November 11, 1988
- E. Letter dated December 14, 1988
- F. Letter dated December 21, 1988
- G. Letter dated January 3, 1991
- H. Letter dated March 28, 1991
- I. Letter dated April 25, 1991
- J. Letter dated November 15, 1991
- K. Letter dated January 13, 1992
- L. Letter dated February 27, 1992
- M. Letter dated April 9, 1992
- N. Letter dated August 3, 1992



Date OCT 27 1992

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By JoAnn V. Stambaugh

Nuclear Materials Safety Branch

Region I

King of Prussia, Pennsylvania 19406

OCT 27 1992

License No. 37-06855-01
Docket No. 030-03078
Control No. 117060

Osteopathic Medical Center of Philadelphia
ATTN: Timothy Churchill
Executive Director and
Chief Executive Officer
4150 City Avenue
Philadelphia, Pennsylvania 19131-1696

Dear Mr. Churchill:

Please find enclosed an amendment to your NRC Material License.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Please be advised that the Nuclear Regulatory Commission does not recognize an alternate radiation safety officer. The radiation safety officer may designate duties to other qualified individuals but only under their supervision.

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and

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Osteopathic Medical Center
of Philadelphia

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vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
JoAnn V. Stambaugh

JoAnn V. Stambaugh
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. Amendment No. 41
2. Requirements for Materials Licensees
3. Requirements for Medical Licensees
4. NRC Forms 3 and 313

DRSS:RI
Stambaugh/cmm

10/19/92

Osteopathic

August 3, 1992

030-03078

U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

RE: Radioactive Material License No. 37-06855-01

Gentlemen:

Please amend the above referenced license to change the Radiation Safety Officer from Sanford I. Levy, Ph.D. to Phillip Shtasel, D.O. In addition, we would like to name Lewis M. Halin, D.O. as Alternate Radiation Safety Officer (see attached Designation of Authority). Both physicians are currently listed as an authorized users on this license.

Also enclosed is the required \$500.00 amendment fee.

If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,



Barbara Gordesky
Associate Executive Director
for Clinical Services

U.S. NUCLEAR REGULATORY COMMISSION

92 SEP-6 18:50

Log	Sept 7
Remitter	Hospital at the Philadelphia
Check No.	030262
Amount	\$500 (Refunded \$40)
Fee Category	20 2B
Type of Fee	AMT
Date Check Rec'd	9/12/92
Date Completed	9/12/92
By	B. J. [Signature]

117060

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AUG 25 1992

Postmarked 8/24/92

SEP 24 1992

VOUCHER COVER SHEET

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
HOSP OF PHILA COLLEGE OF																									
OSTEOPATHIC MEDICINE																									
ATTN LEWIS W ABEL																									
4150 CITY LINE AVE																									
PHILADELPHIA PA 19131																									
LIC 37-06855-01 OVRPYMT																									
AMD REQUEST DTD 8-3-92																									
CK No 036062 FEE CAT 7C																									

ACCOUNT NO: AA905 AMD

CD NO: _____

FEE CATEGORY: 7C

CONTROL NO: 117060

DATE RECEIVED: 9/6/92

CHECK AMOUNT: \$500.00

AMOUNT RETAINED: \$460.00

AMOUNT REFUNDED: \$40.00

PREPARED BY: B Brown m 9/4/92

AUTHORIZED BY: S Kennedy 9/24/92

COMMENTS: _____

31X5280

GOVERNMENT CODE: Y N

DOCUMENT NUMBER	
TRANSACTION CODE	AMOUNT
BBR NUMBER	
FIN	
FEE RETAINED CODE 303	FEE PAID CODE 410
DISCOUNT (CODE 000) TAKEN	DISCOUNT (CODE 415) LOST
AMOUNT PAID \$40.00	
FINAL Y N	

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: 19930930

FEE COMMENTS:

DECOM FIN ASSUR REQD: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSER: OSTEOPATHIC MED. CTR. OF PHILA.

RECEIVED DATE: 920825

DOCKET NO: 3003078

CONTROL NO.: 117060

LICENSE NO.: 37-06855-01

ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: \$500.00

CHECK NO.: 036662

3. COMMENTS

SIGNED
DATE

Rebecca J. Brown
9/1/92

3. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED *1V-1*)

1. FEE CATEGORY AND AMOUNT: *7C 2B*

\$460

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT
RENEWAL
LICENSE

3. OTHER

SIGNED
DATE

B. Brown
9/12/92