

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

21-04082-03

Docket or Reference number

030-00273

Amendment No. 22

94324

Detroit Osteopathic Hospital
Corporation; Central Offices
26100 American Drive
P.O. Box 5153
Southfield, MI 48086-5153

In accordance with NRC Form 314 "Certificate of Disposition" dated November 16, 1992,
License Number 21-04082-03 is hereby terminated.

TERMINATED

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date DEC 17 1992

By

Deborah A. Petura
Materials Licensing Section, Region III

9301140116 921217
PDR ADOCK 03000273
C PDR

COPY 2

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 02300
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 19940331
FEE COMMENTS: STORAGE ONLY
DECOM FIN ASSUR REQD: Y

LICENSE FEE TRANSMITTAL

A. REGION III

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: DETROIT OSTEOPATHIC HOSPITAL CORP.
RECEIVED DATE: 921123
DOCKET NO: 3000273
CONTROL NO.: 394324
LICENSE NO.: 21-04082-03
ACTION TYPE: TERMINATION

2. FEE ATTACHED
AMOUNT: \$
CHECK NO.: \$

3. COMMENTS

TERMINATED
SIGNED [Signature]
DATE 12/1/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED ✓)

1. FEE CATEGORY AND AMOUNT: 3P

FEE EXEMPT

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ✓
RENEWAL ✓
LICENSE ✓

3. OTHER

SIGNED
DATE

Rita Jacques
12/1/92

NOV 25 PM 1:36

RECEIVED

DEC 07 1992

REGION III

APR 17 1992

F

Detroit Osteopathic Hospital
Corporation; Central Offices
ATTN: Christopher Issa, M.S.
Chief Medical Physicist
26100 American Drive
P.O. Box 5153
Southfield, MI 48086-5153

Dear Mr. Issa:

Enclosed is Amendment No. 22 which terminates your NRC License Number 21-04082-03 in accordance with your request.

If you have any questions or require clarification on any of the information stated above, you may contact us at (708) 790-5625.

Sincerely,

Original Signed By
Deborah A. Piskura
Materials Licensing Section

Enclosure: Amendment No. 22

RIII

Piskura/jaw
12/17/92

94324

NEUTRON PRODUCTS, INC.

22301 Mt. Ephraim Road
Dickerson, MD 20842
301-349-5001

FAX: 301-349-5007


URGENT**FAX LEAD PAGE**

A HARD COPY WILL:

☒ NOT BE SENT ☐ BE MAILED ☐ BE SENT UPS OVERNIGHT ☐ BE SENT BY UPS INTERNATIONAL

TO: Ms. Debbie Piskura
NRC Region III
Glen Ellyn, Illinois

FAX: 708-790-3665

PAGES: 2

DATE: December 15, 1992

REF: _____

FROM: _____

Marvin M. Turkman

COMMENTS: _____

RECEIVED

DEC 15 1992
REGION III

If FAX is incomplete or illegible, please contact us at 301-349-5001

TELETHERAPY UNIT AND SOURCE TRANSFER

This is to certify that a cobalt-60 source described as follows:

Model Number: TS-101
Serial Number: 031
Containing 400 curies as of November 10, 1992

has been determined by a wipe test to be leak free and has been removed from a teletherapy unit described as follows:

Manufacturer: Atomic Energy of Canada, Ltd. (AECL)
Model Number: Theratron 80
Serial Number: 244

The above unit has been removed and the depleted uranium contained therein, 41.0 kilograms, has been transferred from Detroit Osteopathic Hospital Corporation's Radioactive Materials License 21-04082-03 to Neutron Products, Inc.'s Nuclear Regulatory Commission License No. SUB-1551.

The cobalt-60 source removed from the above unit has been transferred from Detroit Osteopathic Hospital Corporation's Radioactive Materials License 21-04082-03 to Neutron Products, Inc.'s Radioactive Materials License MD-31-025-03.

Robert Solucki

Date

11-5-92

Donald C. Bess
Neutron Products, Inc.

Date

11/5/92

NEUTRON PRODUCTS inc

CERTIFICATE OF DISPOSITION OF MATERIALS

INSTRUCTIONS: SEND THE COMPLETED CERTIFICATE TO THE
NRC OFFICE SPECIFIED ON THE REVERSE.

(All items MUST be completed—
print or type)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH
THIS INFORMATION COLLECTION REQUEST: 5 HRS.
FORWARD COMMENTS REGARDING BURDEN ESTIMATE
TO THE RECORDS AND REPORTS MANAGEMENT
BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION,
WASHINGTON, DC 20555, AND TO THE PAPERWORK
REDUCTION PROJECT (3150-0028), OFFICE OF MANAGEMENT
AND BUDGET, WASHINGTON, DC 20503.

LICENSEE NAME AND ADDRESS

Detroit Osteopathic Hospital Corporation; Central Offices
26100 American Drive
P.O. Box 5153
Southfield, MI 48086-5153

LICENSE NUMBER

21-04082-03

LICENSE EXPIRATION DATE

March 31, 1994

THE LICENSEE OR AN INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT:
(Check and/or complete as applicable below.)

A. MATERIALS DATA (Check one and complete as necessary)

- ☐ 1. NO MATERIALS HAVE EVER BEEN PROCURED OR POSSESSED BY THE LICENSEE UNDER THIS LICENSE.
- ☒ 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN DISPOSED OF
IN THE FOLLOWING MANNER. (If additional space is needed, use the reverse side or provide attachments.)

Describe specific material transfer actions and, if there were radioactive wastes generated in terminating the license, the disposal actions, including the
disposition of low-level radioactive waste, mixed waste, Greater-than-Class-C waste, and sealed sources, if applicable.

For transfers, specify the date of the transfer, the name of the licensed recipient, and the recipient's NRC license number or Agreement State name and
license number.

11/5/92; NEUTRON PRODUCTS, INC.; License #MD-31-025-03; Maryland

If materials were disposed of directly by the licensee rather than transferred to another licensee, licensed disposal site or waste contractor, describe the
specific disposal procedures (e.g., decay in storage).

B. OTHER DATA

- ☒ 1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.
- ☐ 2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER
ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? (Check one)
- ☐ NO (Attach explanation)
- ☒ YES, THE RESULTS (Check one)
- ☒ ARE ATTACHED, OR
- ☐ WERE FORWARDED TO NRC ON (Date)

RECEIVED BY LPHS
Date 11/25/92
LOE Nov 14 III
By Hig
Date Completed 12/1/92

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME

Christopher Issa, M.S.; Chief Medical Physicist

TELEPHONE NUMBER

(313) 252-4528

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Detroit Osteopathic Hospital Corporation; Central Offices
26100 American Drive
P.O. Box 5153
Southfield, MI 48086-5153

FEE EXEMPT
Term

CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

SIGNATURE

Christopher Issa

DATE

11/16/92

PRINTED NAME AND TITLE

Christopher Issa, M.S.; Chief Medical Physicist

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL
REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECTS.
18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION
TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

RECEIVED
NOV 23 1992

FILE CERTIFICATES AS FOLLOWS

IF YOU ARE A DISTRIBUTOR OF EXEMPT PRODUCTS, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHERS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND,
MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA,
RHODE ISLAND, OR VERMONT, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA,
PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR
WEST VIRGINIA, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30321

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR
WISCONSIN, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA,
NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH,
OR WYOMING, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON,
AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596



Detroit Osteopathic Hospital

AN AFFILIATE OF HORIZON HEALTH SYSTEMS

November 16, 1992

RETURN RECEIPT REQUESTED
Certified #P 245 146 857

Robert Gatone
Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Re: License No. 21-04082-03

Dear Mr. Gatone:

Following is a radiation survey conducted after the removal of our cobalt-60 teletherapy machine with the cobalt-60 source by Neutron Products, Inc., License #MD-31-025-03.

The room was surveyed by our Nuclear Medicine Department GM counter, last calibrated on 5/28/92. All readings were less than 0.05 mR/hr.

Furthermore, a wipe test was conducted in specific areas designated in the attached diagram of the room. The wipes were read with the Nuclear Medicine Department Geiger Counter.

The high voltage was peaked at 596 with the window equal to 40, the lower level equal to 100, and the well lid open. The background reading was 163 counts per minute (CPM).

The standard counts were determined using a cobalt-60 source (0.107 μ Ci as of 12/8/70). The decay factor is approximately 21.95 years, and the activity equals 0.0059 μ Ci. The count rate was determined to be 4592 CPM. The standard count rate per 0.005 μ Ci above background is 3753 CPM.

12523 Third Avenue
Highland Park, Michigan 48203-3294
513-252-4000

CONTROL NO.

94324

R. Gatone
November 16, 1992
Page 2

Wipe Test Results:

Wipe #1	-	423 CPM
Wipe #2	-	349 CPM
Wipe #3	-	408 CPM
Wipe #4	-	386 CPM
Wipe #5	-	411 CPM
Wipe #6	-	402 CPM
Wipe #7	-	374 CPM

All results are $\ll 0.005$ μCi . Therefore no leakage or contamination is present.

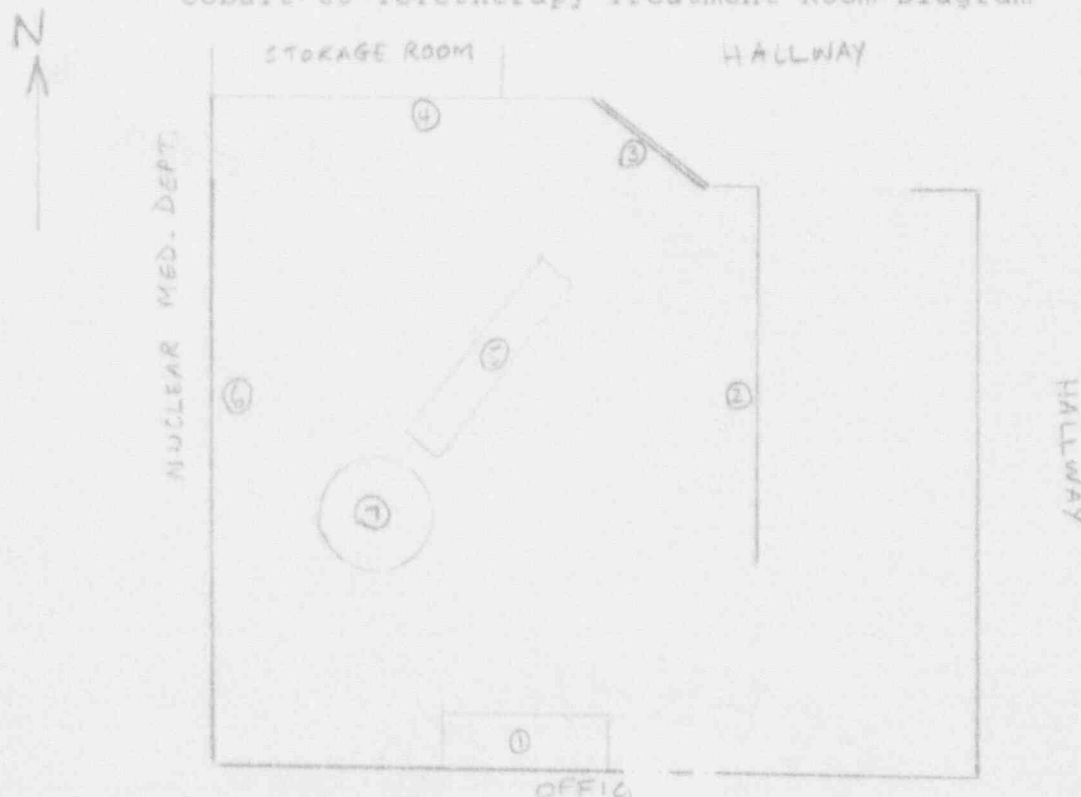
Please contact me if you have any questions.

Sincerely,

Christopher Issa

Christopher Issa, M.D.
Chief Medical Physicist

Cobalt-60 Teletherapy Treatment Room Diagram



DRAWING NOT SCALED
AREA #1: COUNTER
#2: WINDOW
#3: WINDOW

AREA #4: N. WALL
#5: TABLE
#6: W. WALL
#7: GANTRY/PIVOT

CONTROL NO.

94824